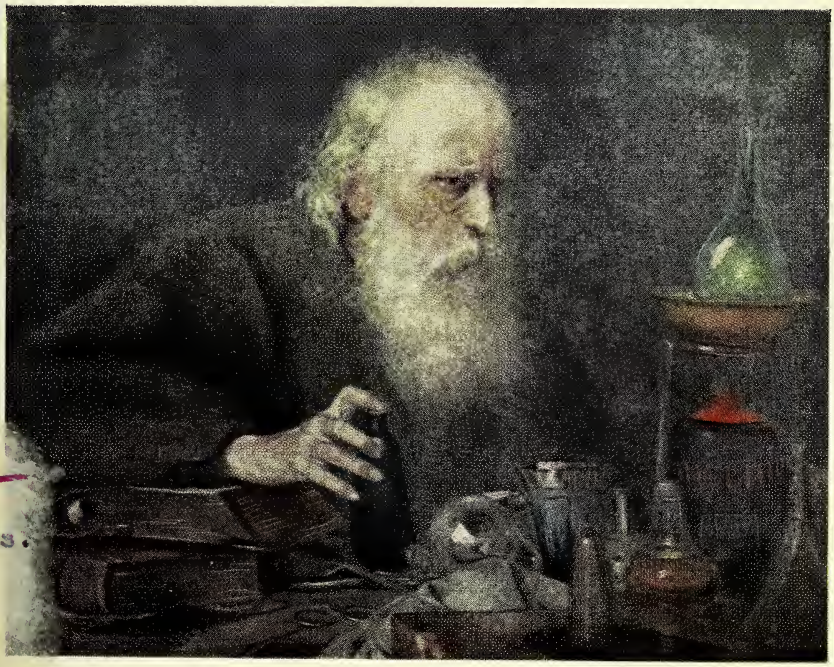
The CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
JULY 28, 1951



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The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
JULY 28, 1951
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NEWS OF THE WEEK

Hearing Aid Batteries.—The Ministry Health has circularised Hospital Re-onal Boards asking them to review the rangements for issuing batteries for hear-g aids in order to concentrate distribution rough a smaller number of hospitals. The anges are not to be put into effect until rther instructions are received.

Purchase Tax on Calamine Lotion.—he Commissioners of Customs and Excise e postponing until September 1 the date which to implement their decision that lamine lotion and similar alleviating ilet preparations which contain masking rfume cannot be admitted to the lower te of tax under Group 32 (b) (ii) of the rchase Tax Schedule (see *C. & D.*, June p. 693).

Increase in Parcel Post Rates.—The stmaster-General announced in the ouse of Commons on July 18 that from ly 30 inland parcel postage would be creased to the following scale:—Inland: ot over 3 lb., 11d.; 4 lb., 1s. 1d.; 5 lb., s. 3d.; 6 lb., 1s. 5d.; 7 lb., 1s. 6d.; 8 lb., s. 7d.; 15 lb., 1s. 8d. (maximum). To Irish Republic: not over 2 lb., 1s.; 5 lb., 1s. 3d.; 8 lb., 1s. 6d.; 11 lb., 1s. 9d. (maximum).

New British Standards.—The British Standards Institution, 28 Queen Victoria Street, London, S.W.1, has published standards on methods for the chemical analysis of liquid, condensed, and dried milk (B.S. 1741, (2s.) -42, (2s. 6d.) and -43, (2s.), 1951). The standard for dried milk gives methods of preparing the sample and methods for determining moisture and total solids, fat, nitrogen (protein), ash, alkalinity of ash, titratable acidity, bulk density, sediment.

Doctors Threaten Resignation.—Representatives of county local medical committees under the National Health Service, at a meeting held in London on July 19, passed a resolution calling upon the Minister of Health "to refer to arbitration without delay, the determination for the proper size of the central pool for remuneration having regard to the recommendations of the Spens report and to present day money values." The resolu-

Apprentices of Timothy Whites & Taylors, Ltd., photographed after their scholarship examination in Leeds recently (see below) with long-term members of the staff and directors. (*Yorkshire Evening News photo.*)

tion was sent by hand to the Minister and with it a letter stating that unless a suitable form of arbitration was agreed to by September 25, steps would be taken to obtain doctors' resignations from the service of the local executive councils.

Union's Views on Price Maintenance.—The Union of Shop, Distributive and Allied Workers issued on July 19 a statement of policy on resale price maintenance. While condemning many features of price maintenance, including collective enforcement of resale prices and discrimination against co-operative trading, supporting Government action to end them, the Union considers that other aspects could be beneficial to the public. Opposition to the whole practice of resale price maintenance is therefore considered "neither desirable nor statesmanlike," and not in the public interest. Unrestricted competition, the Union believes, would seriously endanger shop workers' living standards. Producers should have the right to stipulate resale prices on their own branded products, as recommended by the Lloyd Jacob Committee and the Monopolies Commission, and as accepted by the Government for dental products.

LOCAL NEWS

Pricing in Cornwall.—Mr. A. C. Cannon, M.P.S., Truro, told the Cornwall Executive Council recently that it was imperative to speed up payments for National Health Service prescriptions; the South-west Pricing Bureau, he said, was the slowest of all.

Plymouth Pharmaceutical Committee.—The final meeting of the Plymouth Pharmaceutical Committee whose term of office ended on June 30, was held on June 26. The chairman (Mr. C. C. U'Ren) paid tribute to the standard of dispensing in Plymouth. Test prescriptions taken had shown that most dispensing was 100 per cent. accurate.

Capsules for Hospital Staffs. — The Birkenhead Hospital Management Committee have stated that hospital staffs should be allowed to buy vitamin capsules from the hospitals at cost price. The Committee declined to pass a recommendation made by a subcommittee that that should not be allowed and decided to apply to the Liverpool Regional Hospital Board for authority to supply such capsules.

Liverpool Ampoule-filling Display.—An ampoule-filling unit, designed by members of the staff of Evans Medical Supplies, Ltd., Speke, as part of a Liverpool "Daylight on Industry" exhibition, which opened on July 22, is the first public demonstration of aseptic pharmaceutical work. Air-conditioning and heating plates were installed to provide optimum conditions, and each day six operators produce quinine dihydrochloride ampoules for export to Pakistan.

Apprentices Examined and Entertained.—About sixty apprentices of Timothy Whites & Taylors, Ltd., sat for an examination in Leeds, recently, for scholarships to the value of £300 awarded under the company's training scheme (see *C. & D.*, 1950.II.226). After the examination they were addressed by Mr. G. I. Rushton (managing director), Mr. W. E. Stokes (chief pharmacist) and Mr. R. W. Gillham (pharmacy superintendent and chief analyst). Later, as part of a two-day stay in Leeds, they toured the company's factory and warehouses, and were entertained to a visit to Fountains Abbey and Ripon. On July 10 eleven long-serving members of the company were entertained to lunch by the directors, and each was presented with a cheque by the managing director (men, forty years' service, £100 tax free; women, twenty-five years' service, £50 tax free.

During the past six years 192 such awards have been made to a total value of £22,720.

IRISH NEWS

Wages in Ulster.—The rate of pay, under the scale recently adopted by the Ulster Chemists' Association, for unqualified assistants in the fourth year after qualifying is £6 5s. weekly, and not as previously stated.

Anti-T.B. Drug.—From a compound B283, developed in the laboratories of the Medical Research Council of Ireland from a substance obtained from lichen and resembling chaulmoogra oil, research workers have obtained encouraging results in the treatment of tuberculosis.

Examination Results.—Sixty-seven candidates, including six who had been refused a previous examination, sat for the July Licence examination of the Pharmaceutical Society of Ireland. The following passed: Pauline Mary B. Clarke, Thomas Mullen, Julia Sheahan (all with honours); Kathleen Bannon, Patrick J. Butler, Bridgid Cloonan, Mary Cheasty, Patrick Drugan, Thomas Finnegan, Mary Lyons, Mary C. McEntagart, Patrick J. O'Brien, Catherine Quigley and Mary M. Tierney.

Dail Questions on Veterinary Products.—In the Dail Eireann on July 18, Mr. C. J. Flanaghan asked the Minister for Agriculture (Mr. T. Walsh) if he was aware that farmers had been supplied with veterinary products, some of which did not turn out to be as represented by the salesman. Would the Minister consider ensuring that such preparations would in future be prepared and marketed in accordance with standards prescribed by his Department? The Minister said that he was aware that the sale of veterinary medicines was open to abuse. The matter had been under consideration by his Department and proposals for legislation were being examined.

Galway Medical Exhibition.—In conjunction with the annual conference of the Irish Medical Association held recently at Galway, the Irish Medical Exhibitors' Association sponsored an exhibition at which some thirty-six pharmaceutical firms were represented. The exhibits were restricted by exigencies of space to table-top displays, but each firm had its own team of pharmacists and demonstrators. The Committee of the Exhibitors' Association, headed by Mr. Charles H. Fielding (chairman, Parke, Davis & Co.), were congratulated on the arrangements made for the exhibition which was the first of its kind to be held outside Dublin. Declaring the Exhibition open, Professor Dr. P. T. O'Farrell, Dublin (outgoing president of the Irish Medical Association) said that for the medical profession to maintain its independence it needed the support of pharmaceutical firms. The exhibitors included British Schering, Ltd., Antigen, Ltd., Evans Medical Supplies, Ltd., James Browne & Co., Bayer Products, Ltd., Eli Lilly & Co., Ltd., Glaxo Laboratories, Ltd., Edward Taylor (Eire), Ltd., Fannin & Co., Ltd., Lederle, Ltd., The British Drug Houses, Ltd., The Crookes Laboratories, Ltd., Boots, Ltd., Parke, Davis & Co., Paines & Byrne, Ltd., Sharpe & Dohme, Ltd., Organon, Ltd., Mrs. Bailey, Galway, Ciba Laboratories, Ltd., Reckitts, Ltd., Sandoz Products, Ltd., Dolcin, Ltd., William R. Warner & Co., Ltd., Newton Victor (Eire), Ltd., Imperial Chemical (Pharmaceuticals), Ltd., Smith & Nephew, Ltd., J. Wyeth & Bro., Ltd., Abbott Laboratories, Ltd., and May & Baker, Ltd.

CARNIVAL ENTRY. — Joint entry by Ciba Laboratories, Ltd., Horsham, Sussex, and Horsham hospital in local carnival. A second entry by the company's sports and social club presented a humorous tableau, "The Perfect Pill Producer."

CONFERENCE ACCEPTS MINISTRY'S OFFER

By an overwhelming vote the Conference of representatives of Pharmaceutical Committees, held in London on July 25, carried a resolution of acceptance of the Ministry's "compromise" offer of terms for contractors under the pharmaceutical service. The motion was in the following terms:—

"That this Conference of Pharmaceutical Contractors' representatives authorises the Central N.H.S. (Chemist Contractors) Committee to accept the terms now offered by the Ministry [viz.: a 25 per cent. oncost from May 1, 1950, onwards in place of present provisional 16 per cent. rate; and an additional one penny per prescription from May 1 onwards], such acceptance to be without prejudice to any reconsideration of the terms after March 31, 1952. The Conference reaffirms its objection to any deposit system on containers."

Amendments that would have introduced into the motion references to acceptance under duress in the present economic or financial situation of many pharmacists found small support.

LOCAL MEETINGS ON THE OFFER

Somerset Branch, N.P.U.—At a recent meeting the following resolution was passed:—

That the prescriptions for May or June 1951, be priced in full immediately and that the average figure for each contractor be used as the basis for future advance payments.

Hendon, Edgware Branch, N.P.U.—The following resolution was passed unanimously at a meeting held at Edgware on July 11:—

That this Branch considers that the compromise proposals on National Health Service remuneration fall far short of a just and equitable settlement and be rejected.

East Ham.—A meeting of contractors under the Health Service, held on July 17, passed, with three dissentients, the following resolution:—

"That this meeting protests very strongly against the terms of this offer and accepts only under duress."

The following resolution was passed unanimously:—

That this meeting demands: (a) A definite guarantee that no cuts (provisional or otherwise) shall be made without recourse to the Whitley Council machinery. (b) That notice should be given immediately that, from April 1, 1952, pharmacists will be advised to withdraw their services unless terms at least equal to those awarded in Scotland are agreed. Negotiations for those terms should commence forthwith. (c) That interest at the rate of 5 per cent. per annum be paid on all payments received more than three months after the prescriptions to which they relate are dispensed.

Exeter Branch, N.P.U.—At a recent meeting in Exeter Mr. H. Holmes said that the financial stability of probably 750,000 independent shopkeepers depended on the maintenance of a system of controlled prices and probably over two and a quarter million employees were today enjoying wages that would have been impossible were it not for the Proprietary Articles Trade Association and similar bodies that had been modelled upon its organisation. It was significant that the broad basis of the system operated by the P.A.T.A., instigated by the late Sir William Glynn Jones, was "counselled" by Sir Stafford Cripps. A resolution was sent to the local Chambers of Trade and Commerce, to the Devon members of Parliament and to the N.P.U. Executive:—

This meeting of chemists from all parts of Devon views with alarm the Government's policy on "Resale Price Maintenance." These proposals we regard as unsound and unjustified. Chemists have, in the past, experienced the worst effects of price cutting and are appalled at the prospect of its return which they regard as inevitable if price control is abolished. If the sound basis of price control in pharmacy is destroyed there is bound to be a reduction in consumer service, an overall increase in prices to the public and an inability to maintain present-day wages. For these reasons we ask you to exercise your interest in Parliament to prevent the introduction of the proposed legislation.

Mr. Jarvis Graves detailed the Ministry offer and pointed out the advantages and disadvantages of acceptance. He stressed that conditions in the south-west counties were totally different from those pertaining in the densely populated industrial areas and that a differential dispensing fee should be appropriate for such areas. Members expressed keen resentment that the Minister's offer fell so far short of the terms which had been demonstrated as just, but felt that owing to the financial strain put upon members by the time lag in settlement of accounts, their representatives should be instructed to vote for acceptance of the offer subject to immediate negotiations for an adjustment of the dispensing fee when the period of the new terms had expired.

TOPICAL REFLECTIONS

Arrears of Payment

Writing before the date of the meeting of Pharmaceutical Committee delegates announced for July 25, my remarks on the terms of remuneration for National Health Service dispensing offered by the Minister of Health may appear speculative. Some comment, however, is justified by the fact that news and opinions on this subject occupy at least five pages in your issue of July 21, without adding your editorial article on p. 83-84. There will be general agreement that in what may be called a cross-bench speech Mr. H. N. Linstead gave the House of Commons a studiously restrained description of the difficulty caused in small businesses by deferred payments. At the other end of the scale Lord Trent, in his recent annual statement to the shareholders of Boots Pure Drug Co., Ltd., estimated that on March 31 the amount owed to the company by the Government was £1,170,000. One of the best presentations of the panel chemists' case that I have read is that of "Committeeman" on pp. 85-86. We are aware that in all contracts with British governments the quality is to be the highest and the price the lowest. We are prepared for that; but overdue payment is another matter. Your contributor hits the bull's-eye in urging that panel chemists should insist on firm guarantees for checking excessive prescribing. Such prescribing can, of course, be practised by partiality for costly medicaments as well as by ordering unduly large quantities of any drugs or dressings. It would not be a bad thing if every panel doctor received a circular headed "Back to Galen." But would any Government department issue it?

The Arsenic Act and Another

The Arsenic Act of 1851, analysed on p. 87, was the outcome of a memorial drawn up by a joint committee of the Provincial Medical and Surgical Association and the Pharmaceutical Society: both bodies had been at work on the subject since 1849. Among replies to the inquiries circulated, it was stated that many "druggists" sold more than a ton of arsenic each per annum. As your account shows, sales of substances included under the designation "arsenic" could not be restricted to medical men and pharmacists, there being then neither pharmaceutical chemists nor chemists and druggists recognised by English or Scottish law. On June 12, 1851, exactly a week after the Arsenic Act had received the Royal assent, Jacob Bell introduced in the House of Commons his Bill for "regulating the qualifications of pharmaceutical chemists" and for other pharmaceutical purposes. Mr. Bell was just in time. During the forties and fifties of the past century, as Mr. G. M. Young explains in his "Last Essays" (1950), "the growth of the electorate required a stricter party management; the independent member faded away . . . ." The proceedings when Mr. Bell moved the second reading of his Bill on July 2 of the same year illustrated the change then taking place. Not only were there speeches in opposition, but the Home Secretary, Sir George Grey, was of opinion that the Bill ought to be studied for a considerable time before it was proceeded with. He suggested that it be read a second time on the understanding that it should then be held over till another session. This course was adopted. But Jacob Bell's luck held; in the end the Bill became an Act one day before that Parliament was dissolved.

John Pechey

The book described on p. 92 as "an abridged reproduction of the English portion of 'The Compleat Herbal of Physical Plants,' compiled by John Pechey in 1694" will attract students of history, even though they may question the wisdom of abridging when reproducing. Pechey obtained the degree of Master of Arts at Oxford in 1678, and became a Licentiate of the Royal College of Physicians of London, in which city he practised, in 1684. He died in 1716. As an author, his modesty is engaging. In the preface to this book he writes: "What I have contributed to this Work, I confess, is the least Part: Some Virtues, indeed, I have added, and many good Medicines; but those I borrow'd too." The herbal, he explains, is for general use and for doctors who cannot read Latin. (Evidently there were some medical men answering that description.) Pechey was sufficiently enlightened to know that "the Observations about Gathering Plants from the various Positions of the Heavens, or Seasons of the Moon, are superstitious and vain." Yet he was not too severe in his judgment of accepted remedies.

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NEW COMPANIES

EDGAR BUCKLEY, LTD. (P.C.).—Capital £2,000. To carry on the business of pharmaceutical chemists, etc. Edith M. Buckley and Hilda M. Buckley, directors. R.O.: 257 Hunslet Road, Leeds, 10.

S. C. HALLIDAY, LTD. (P.C.).—Capital £7,000. To acquire the business of Sydney C. Halliday, M.P.S., Elloughton, Brough, E. Yorks. Donald P. Shackles and David Barton (solicitors), subscribers. First directors to be appointed.

COYLE & BULLEN, LTD. (P.C.).—Capital £4,000. To carry on the business of wholesale, manufacturing and dispensing chemists and druggists, etc. John A. Coyle, Irene Coyle, and Jack Bullen, directors. R.O.: 69 York Street, Heywood, Lancs.

VERA PHARMACIES, LTD. (P.C.).—Capital £3,500. To acquire the business of chemists and druggists carried on at 262 New Cross Road, London, S.E.14. Kosta Pop-Hristic, M.P.S., Milorad Jovanovic, and Vera Stanojlovic, directors.

H. FOOT & CO. (LIVERPOOL), LTD. (P.C.).—Capital £300. To carry on the business of manufacturing, dispensing and analytical chemists and druggists, etc. Harold Tunstall, director. R.O.: 41 John Dalton Street, Manchester, 2.

JENNERS (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of wholesale, manufacturing or retail chemists and druggists, etc. John E. Crowe, M.P.S., director. R.O.: 880 Grimesthorpe Road, Sheffield, 4.

MCLEAN AND GOWANS, LTD. (P.C.).—Registered in Edinburgh. Capital £6,000. To carry on the business of dispensing chemists, etc. J. M. Gardner, M.P.S., and W. G. Angus, M.P.S., directors. R.O.: 140 West George Street, Glasgow, C.2.

EMLYN WILLIAMS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Griffith Lloyd Williams and Emlyn Roberts, directors. R.O.: 3 Queen's Road, Llandudno.

VITAMINS (OVERSEAS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of animal foods, veterinary medicines, pharmaceutical preparations, chemicals and all kinds of foods for human consumption, etc. Vitamins, Ltd., may appoint and remove the directors. The first directors are Henry C. H. Graves, John H. Wrentmore, David I. Thomas and Margaret D. Wright, all appointed by Vitamins, Ltd. Solicitors: Linklaters & Paines, 6 Austin Friars, London, E.C.2.

Company News

GENATOSAN, LTD. — Dr. F. A. Todd, B.Sc., Ph.D., A.M.I.Chem.E. (a director of Pierson, Morrell & Co., Ltd., High Barnet, and D. K. (Chemicals), Ltd., Loughborough), has been appointed a director.

WRIGHT LAYMAN & UMNEY, LTD.—Mr. R. E. Condor has been appointed chairman. Mr. E. A. Umney, who has been chairman for sixteen years, becomes vice-chairman and remains a joint managing director.

BUSINESS CHANGES

MR. D. K. WALSH, M.P.S.I., has opened a pharmacy at 385 Blarney Street, Cork.

MR. J. J. FLYNN, M.P.S.I., has opened a pharmacy at 32A Glastule Road, Sandycove, co. Dublin, Eire.

MR. L. RAWLINGS, M.P.S., has taken over the business of A. Rothstein, Ph.C., 101 North Street, Leeds, 7. Mr. Rothstein has retired owing to ill-health.

VITAMINS, LTD., Upper Mall, London, W.6, have appointed Mr. J. Shannon, A.C.W.A., A.C.I.S., chief accountant of the Vitamins Group (Agricultural Food Products, Ltd., Bemax Sales, Vitamins, Ltd.).

M. HAMBURGER & SONS, Ceylon House, Eastcheap, London, E.C.3, are removing on July 28 to Plantation House, Mincing Lane, London, E.C.3. Telephone number (unaltered): Mansion House 4405.

THOMAS KERFOOT & CO., LTD., Vale of Bardsley, Ashton-under-Lyne, have appointed Mr. D. L. Olson, 12 Wilson Grove, Southsea, Hants, their representative in Sussex and the adjacent south-east coastal area.

AMBER PHARMACEUTICALS, LTD. (tablet department), Byron House, 7 St. James's Street, London, S.W.1, have appointed Mr. H. Grimston their representative in Yorks (excluding Middlesbrough) and Derbys.

DR. M. A. PHILLIPS AND ASSOCIATES, 115 High Holborn, London, W.C.1, have opened new and larger laboratories at 14 Western Road, Romford, Essex (telephones: Romford 6992 and 5410), at which they have inaugurated a technical service and information bureau.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

The Minister of Agriculture was asked by Mr. G. R. H. Nugent on July 19 whether he had considered the opinion of the working party on toxic chemicals in agriculture that, despite the risk to human life, the use of those weed-killers and insecticides should continue? What was the policy of his Department in that connection, and what action was he taking to implement the working party's recommendations?

Mr. Tom Williams said that, together with his Department, the organisations concerned had recommended to their members measures for this season on the lines proposed by the working party. The recommendation that certain of the proposals should be reinforced by legislation was under consideration.

Sir Thomas Dugdale: Is the Minister sure that the action he proposes to take will prevent a recurrence of tragic and fatal accidents? Is he satisfied that the recommendations of the working party are widely known throughout the countryside?

Mr. Williams: Yes. I think that if the protective clothing, etc., is worn and the other rules and regulations are faithfully observed, the danger would be almost wholly removed.

Starch and Dextrin

Mr. D. H. Amory asked the Minister of Food on July 16 what reasons had led him to revoke the system of open licences for the supply of starch and dextrin for industrial use, and whether he had consulted with the trade before reaching that decision. Mr. Maurice Webb replied that supply difficulties had made it necessary to revoke licences under which manufacturers were free to buy as much starch and dextrin as they wanted, and to substitute buying permits.

Retail Prices and Purchase Tax

Sir William Darling asked the Chancellor of the Exchequer on July 19 if he would make an arrangement whereby retailers who sold at half permitted profit in order to lower the cost of living might have a like proportion of purchase tax remitted. Mr. Jay (Financial Secretary to the Treasury): "No. Purchase tax is levied when the goods pass to retailers and it would not be practicable to assess it by reference to prices charged after that point."

Analgesia in Midwifery

Mr. Peter Thornycroft asked the Secretary of State for Scotland on July 18 in which local health authority areas in Scotland, and the Minister of Health on July 19 in which areas in England and Wales, it was proposed to start trials for the use of the new Trilene analgesia machine by domiciliary midwives. Miss M. Herbison (Joint Under-Secretary) replied on July 18 and Mr. H. Marquand (Minister of Health) on July 19, that the areas had not yet been determined. They would be selected by a joint subcommittee representing the Medical Research Council and the Royal College of Obstetricians and Gynaecologists under whose control the trials were to be carried out. To a supplementary question Miss Herbison replied that the Scottish Central Midwifery Board had not yet approved Chassar Moir attachment for use by midwives on their own responsibility. Mr. Marquand gave a similar reply to a written question on the same subject the following day.

Export and Import Trade

Mr. A. G. Bottomley (Secretary for Overseas Trade) told Mr. W. S. Shepherd on July 19 that he was only able to give rough provisional estimates on the volume of trade in the first half of 1951. Exports for that period were 60 per cent. higher than in the first half of 1950, and imports about 10 per cent. higher.

Resale Price Maintenance

Lieutenant-Colonel Sir Thomas Moore asked the President of the Board of Trade on July 19 whether he intended to put an end to schemes under which traders were forbidden to sell goods above particular fixed prices and if, in view of the present and increasing shortage of consumer goods, he would again review his policy so as to ensure that any action taken to permit competition and instability in the retail trade would not result in more prices being raised than reduced. Mr. Bottomley (Secretary for Overseas Trade) replied that nothing proposed by the Government would prevent manufacturers from continuing to fix maximum resale prices. The Government had, moreover, statutory powers to impose maximum prices if necessary.

BIRTHS

O'Sullivan.—Recently, to Rosaleen, wife of Donal O'Sullivan, M.P.S.I., Dunboy, Belveder Lawn, Cork, a daughter.

Watt.—At Rosebank, 109 Gartsherrie Road, Coatbridge, on June 24, to Jean (née Wright), wife of John J. G. Watt, M.P.S., a daughter (Jean Fiona).

MARRIAGES

Allen—Sheen. — At Portobello Old Parish Church, Melville Street, Portobello,

Edinburgh, on July 18, Jack Dolby Allen, B.Pharm., to Audrey Sheen.

Campbell—Dunne.—At St. John's Renfield Church, Kelvinside, on June 26, Dugald Campbell, L.D.S., R.F.P.S.G., elder son of Colin Campbell, M.P.S., 2 Daleview Avenue, Glasgow, W.2, to Helen Deirdre, 29 Burlington Avenue, Glasgow, W.2.

DEATHS

Edmunds.—On July 12, Mr. Glyn Lewis Edmunds, M.P.S., Trevethin, Barnett Lane, Kingswinford, Staffs, aged forty-six.

Edwards. — Recently, Mr. Thomas Christmas Edwards, M.P.S., Penyorddu, St. Meugans, Ruthin, N. Wales, formerly of Mill Hill, London, N.W.7. Mr. Edwards qualified in 1897.

Gibbins.—While on holiday at St. Margaret's Bay, Dover, Kent, on July 4, Mr. Richard Ernest Gibbins, M.P.S., Greyfriars, West Farm Avenue, Ashtead, Surrey, aged seventy-two.

Hediger.—On July 3, as a result of a motor-cycle accident, Mr. Rene Hediger, Ph.C., 128 Barrington Avenue, Hull, Yorks, aged twenty-six.

Joiner.—At 1 Douglas Street, Nairn, on July 16, Mrs. Jessie Smith Burns Joiner, wife of Mr. Alexander Joiner, who qualified as a chemist and druggist in 1888.

O'Connor.—On July 16, Rev. Canon Henry O'Connor, M.B.E., rector of Dundrum, co. Down. Before taking Holy Orders Canon O'Connor qualified as a pharmaceutical chemist, and was at one time an examiner to the Pharmaceutical Society of Northern Ireland.

Payne.—On July 6, Mr. Norman Payne, M.P.S., 208 Stamfordham Road, Newcastle-on-Tyne, 5. Mr. Payne qualified in 1919.

Young.—On July 11, Mrs. Janet Agnes Young, wife of Mr. James C. Young, Ph.C. (a past-president of the Pharmaceutical Society) 71 Priory Road, West Bridgford, Notts. The cremation took place at Widford Hill, Nottingham, on July 21.

PERSONALITIES

Mr. W. H. Bowden, M.P.S., founder president of the Hounslow Branch of the Pharmaceutical Society, has again been elected president of the branch. Mr. Bowden is the proprietor of a pharmacy in Staines Road, Hounslow. He is a former president of the Hounslow chamber of commerce and chairman of the local branch, National Pharmaceutical Union.

Mr. E. Hewson, son of Mr. G. C. Hewson, M.P.S.I., Arran Street, Ballina, co. Mayo (a former examiner to the Pharmaceutical Society of Ireland), recently received the degree of M.B., B.Ch. at University College, Dublin.

Mr. P. Brian Jones (sales director, Johnson & Johnson (Great Britain), Ltd.), recently returned from a tour of the Far East, during which he investigated trading problems of the pharmaceutical and surgical-dressing industries in the Pacific.

C. & D. RETAIL AND DISPENSING PRICE LIST

THE increasing cost of labour and containers, quite apart from rising drug costs, is being reflected in generally higher prices of packed drugs and specialities. A further increase in the price of linseed oil may be expected to affect the price of lysol. Following recent advances in the prices of phenol, prices of salicylates, asprin and tablets containing them are higher. Dressings prices are again fluctuating (see *C. & D.*, June 30, p. 822), with goods containing cotton rising more than woollen dressings.

Changes During June

The following changes, which took place during June, should be noted. The drug index for the month is 205.

Cost d.	per	Item	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
6	lb.	Acid. acetylsalicylicum	2 9	0 9	0 1½
9	lb.	Acid. boric. cryst. 2/5 lb.	0 9	0 2½	—
0	lb.	Acid. tartaric.	2 2	0 8	0 1
4	lb.	Alcohol. lanæ	3 0	0 10	0 2
4	oz.	Argenti nitras indurat. 8's	—	—	2 8
0	oz.	Azorubrum	—	—	0 8
5	lb.	Borax, B.P. 1/10 lb.	0 8	0 2	—
7	oz.	Chiniofonum	—	—	1 7
2	lb.	Cremor. calamin. co., B.P.C.	1 6	0 5	0 1
1	lb.	Dec. aloes co. conc.	1 11	0 7	0 1
9	lb.	Emuls. menth. pip.	5 8	1 8	0 3
6	dr.	Ephedrina P.1.(8)	p. gr.	0 2	8 2
5	oz.	Ephedrin. hydrochlor. P.1.(8)	per gr.	0 1½	4 8
1	oz.	Ephedrin. sulphas P.1.(8)	per gr.	0 1½	4 10
2	oz.	Eugenol	—	—	1 9
5	4oz.	Ext. ergotæ liq., B.P. S.1.(5)	—	7 9	1 2
137	oz.	Ext. ipecac. liq.	—	—	3 3
60	lb.	Glycerin. boracis	2 9	0 9	0 1½
63	lb.	Glycerin. phenolis	2 9	0 9	0 1½
16	oz.	Hydrargyrum cum creta	—	2 4	0 4
319	lb.	Iodum	—	3 4	0 6
90	lb.	Linct. opii camph. co. P.1.(13)	3 11	1 1	0 2
58	lb.	Lin. camphor.	2 0	0 7	0 1
96	lb.	Liq. iodi mitis	3 0	0 10	0 2
138	lb.	Liq. iodi simplex	4 5	1 3	0 2½
32	lb.	Magnes. carb. pond.	1 2	0 4	0 1
69	lb.	Magnes. trisilicas	2 6	0 8	0 1½
27	oz.	Ol. anisi	—	4 0	0 7
72	lb.	Ol. ricini	2 6	0 9	0 1½
51	lb.	Pasta magnesii sulphatis	1 11	0 7	0 1
38	lb.	Phenol. liquefact. P.1.(9)	1 5	0 5	0 1
84	lb.	Pig. iodi co.	3 11	1 1	0 2
274	lb.	Potassii. iodidum	9 9	2 10	0 5
57	lb.	Sodii salicylas	2 0	0 7	0 1
27	oz.	Sodii iodidum	—	4 0	0 7
17	oz.	Sulphanilamidum S.1 R only	—	2 6	0 5
60	lb.	Syrup. limonis	2 9	0 9	0 1½
50	oz.	Thyroideum P.1 (9 and 13)	—	7 4	1 2
42	lb.	Ung. hydrarg. oxid. flav. P.1.(9)	1 6	0 5	0 1
150	lb.	Ung. hydrarg. subchlorid.	5 4	1 6	0 3
72	lb.	Ung. iodi	2 7	0 9	0 1½
87	oz.	Vanillin	—	—	2 0

TABLETS

Cost d.	per	Item	Selling price 25 s. d.	100 s. d.
60	1000	Aspirin, gr. 5	0 8	1 6
234	1000	Cascaræ co., B.P.C.	1 3	3 5
597	1000	Phenobarb. et theobrom. S.1. R only	2 5	8 0

BANDAGES (individually wrapped)	1 in. s. d.	1½ in. s. d.	2 in. s. d.	2½ in. s. d.	3 in. s. d.	3½ in. s. d.	4 in. s. d.	6 in. s. d.
hite open wove B.P.C. 3 yd.	0 4½	—	—	—	—	—	—	—
O.W., B.P.C. 4 yd.	—	0 8	0 10	1 0	1 2	—	—	—
O.W., B.P.C. 6 yd.	0 7	0 10	1 1½	1 5	1 8	—	2 3	3 4
		1 oz. 1 yd.	2 oz. 2 yd.	3 oz. 3 yd.	4 oz. 4 yd.	6 oz. 6 yd.	8 oz. 8 yd.	1 lb.
OOL :—								
Absorbent cotton, B.P.C.		1 0½	1 11	2 3	2 11	—	5 8	11 0
Absorbent cotton, Hospital		—	1 7	—	2 4	—	4 7	8 10
NTS :—								
Absorbent, B.P.C.		1 5½	2 9	—	4 3	—	8 3	16 3
Boric, B.P.C. Size No. 1		No. 2	No. 4	—	No. 8	—	No. 16	—
	10d.	1 6	2 9	—	4 4	—	8 5	—
UZE :—								
Absorbent, B.P.C., 36 in. wide, ½ yd. 9d.	1 3	—	3 4	—	6 6	—	—	—

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on July 20, the president (Mr. H. W. Gamble) in the chair. Also present were Messrs. W. H. Boyd (vice-president), H. P. Crossin (treasurer), C. Abernethey, H. F. Moore, W. P. Ewart, H. J. Cousley, M.B.E., J.P., P. R. W. Shinner, J. McGregor, Walter C. Tate, Professor E. B. C. Mayrs, M.D., and Professor J. Small, D.Sc. The secretary (Mr. W. Gorman) was in attendance. Apologies for absence were received from Messrs. J. Irwin, F. R. Moore, J.P., S. E. Campbell and H. H. Cowzer, J.P.

THE SECRETARY reported that the Associates' Committee of the Ulster Chemists' Association had agreed to postpone until September their meeting with the Education Committee.

A letter was received from the Belfast College of Technology regarding the charges made for the Society's examinations. It stated that the charges were last fixed in 1931 and that the increasing costs of chemicals, materials, etc., necessitated a revision of the scale. It was proposed that the charges should now be 4s. for each entrant in practical pharmacy, 2s. in practical chemisty and 1s. each in botany, zoology, practical pharmacology and physics. Accommodation will be charged for at the present rate of £1 per room per day, with any necessary overtime for staff. The Council decided to accept the new scale.

Official Organ of the Society

THE SECRETARY reported that, with the president and vice-president, he had had an interview in Belfast with the Editor of THE CHEMIST AND DRUGGIST regarding the proposal by the publishers to raise the annual subscription. The amount of space given to reports from Northern Ireland had been discussed, and the Editor had undertaken that special attention would be paid to the question. THE PRESIDENT said that the discussion with the Editor had been helpful, and that the wish for a better showing for Northern Ireland in the journal was fully realised. MR. W. H. BOYD said that it had been pointed out that any further raising of the charge would mean that the Society could no longer afford to supply THE CHEMIST AND DRUGGIST free to its members.

MR. C. ABERNETHY moved that the rate proposed should be accepted on the basis of the undertaking that had been given, and that the journal should continue to be supplied to members. It was suggested by MR. J. MCGREGOR that some steps might be taken to avoid duplication (as in cases where more than one copy was sent to a single household). PROFESSOR SMALL also said that each member who wished to receive the journal might be asked to subscribe 5s. The proposal having been seconded by MR. P. R. W. SHINNER, it was declared carried.

MR. BOYD then proposed that the treasurer and secretary should go into the cost and advise the Council whether part of the charge should be passed on to members, the question to be decided at the next meeting in September.

Dangerous Drugs to Midwives

The receipt was reported of a copy of S.R.O., Northern Ireland, 1951, No. 65, made by the Minister of Home Affairs, and dealing with the authority of persons on the Supplementary Register of Veterinary Surgeons to be in possession of Dangerous Drugs and with the authority of certified midwives to administer medicinal opium, tincture of opium and pethidine; the Order also lists a number of amendments to the list of Schedule 4 poisons. MR. SHINNER asked whether midwives could now receive Dangerous Drugs without prescription. THE PRESIDENT replied that it was provided that they must have a drugs book issued by the Joint Nursing and Midwives Council.

In the minutes of the Education Committee, which were adopted, it was recommended that certificates of apprenticeship should be granted to William Barnes, Cookstown; William J. O'Connell, Ballymoney; Francis J. Sharkey, Castlederg, and William Woodside, Ballymena, who submitted the Senior certificate of the Ministry of Education.

It was recommended by the Finance Committee, and approved that the auditors should be asked to consider writing off a sum of £200 or £300 from the value of the Society's University Street property.

Examiners' Report

The report of the board of examiners was received. It showed that in the Preliminary Scientific examination, Part I, eighty-one candidates entered, twenty-eight passed, thirty-six failed, two were referred in biology and twelve in physics, and three

were absent. In the Final Qualifying examination, Part II, forty-four entered, nineteen passed, twelve failed, six were referred in pharmaceutics, four in chemistry, and three in physiology. Arising out of the report, the Council decided that candidates should again be warned that a serious view would be taken of any attempt to communicate with each other during the examinations.

Presentation Ceremonies

The meeting was followed by two happy ceremonies. On the occasion of his forthcoming marriage MR. BOYD was presented by the president with a canteen of cutlery on behalf of the members of the Council. With MR. H. F. MOORE, MR. GAMBLE expressed cordial good wishes for the future happiness of Mr. Boyd and his bride. In reply, Mr. Boyd expressed his appreciation of the kind gesture of his colleagues.

A number of the candidates successful in the recent Qualifying examination, Part II, attended to receive their certificates, which were presented by the president. Mr. James W. McE. Graham also received the Society's gold medal and was warmly congratulated on his achievement (see *C. & D.*, July 21, pp. 68).

EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination of the Pharmaceutical Society of Great Britain held in July:—

ENGLAND AND WALES

Barlow, Jennie M.
Barrow, Peter A.
Bateson, John M.
Benjamin, Leon
Benson, Harry F.
Bond, Anne E.
Boulton, Stanley
Buckle, Evelyn G.
Calvert, Barbara
Carey, Isabel M.
Carswell, Janet M.
Carver, Edna
Catt, Thelma F.
Cerrino, Edward
Channon, John
Chanter, Edward W.
Cholerton, Keith
Clark, Leslie
Clough, Brenda
Coates, Alan C.
Colston, Derek F.
Connell, Patricia A.
Cooke, Geoffrey
Cottam, Frank W.
Court, Rowland D.
Cox, Peter V.
Cozens, Winifred J.
Davis, Judith A. V.
Denman, Leslie R. D.
Dixon, Eric
Eccleshall, Alan G.
Eddleston, Doreen P.
Elwell, Doris M.
Entwistle, Harry B.
Exten, Mary M.
Firth, Geoffrey N.
Fisher, Ivan P.
Forward, James A.
Fry, Herbert T. E.
Ginno, Monica E.
Grant, Pamela B.
Hall, Barbara
Hall, William T.
Harland, John
Harris, Alan C. C.
Harris, Richard M.
Hatherall, Maureen J.
Hawker, Margaret J.
Hawkyard, Diane M.
Hazard, Ivor D.
Hill, Alfred E.
Hirst, Norman J.
Holdsworth, Elfreda L.
Holmes, Victor E. J.
Huntley, Arthur F.
Hutchieson, Marion J.
Inkpen, Margaret J.
Johnson, Thelma
Keen, Peter J.
Kennedy, David G.
Kerslake-Smith, Philip J.
Kitt, John H.
Lane, Roy
Latham, Henry T.
Linnell, Doreen S.
Livingstone, Jean M.
Mackenzie, Evelyn M.
McMurray, Barbara C.
Marshall, Barbara J.
Mearman, Joan E.
Miller, Geoffrey B.
Morgan, Arthur C.
Murphy, Alan M.
Needham, John E.
Nicholson, Luther
Offley, Jacqueline J.
Pahl, Hans-Jorg H.
Pegge, Hector E. S.
Phillips, Dorothy M.
Price, Thomas A.
Pritchard, Trevor T. R.
Puckette, Stuart A.
Raine, Alan C.
Rigby, Brian T.
Robert, Stephen H.
Robinson, William J.
Rodwell, Sylvia A.
Roper, Sylvia E. M.
Rowland, Edward R.
Sargeant, Jean
Shaw, Thomas C.
Shepherd, Frank T.
Smith, Stewart W.
Stephens, Leslie
Stringer, Thomas F.
Sutch, Margaret A.
Taggett, Theodore I. V.
Taylor, Henry G.
Taylor, Kenneth W.
Tetlow, Bernice
Thomas, Ivor M.
Troop, Joan E.
Tuffin, Cyril B.
Turner, Sheila M.
Wall, Brian C.
Wallace, Moira H.
Wallis, Marcus V.
Walters, Nesta E.
Webster, John L. M.
White, Brenda M.
White, John D.
Whiting, Anthony E. G.
Wilkinson, Heather C.
Wood, William R.

THE following candidates satisfied the examiners in the Qualifying examination of the Pharmaceutical Society in July:—

ENGLAND AND WALES

Baker, John E. H.
Baker, John R. H.
Bartlett, John L. D.
Bhattacharya, Ramendu
Blakey, Frank A.
Boddy, Kathleen M.
Bowen, Harold L.
Bowers, Eric G.
Bragg, Henry J.
Brazier, David A.
Burton, Mavis
Cherszkowicz, Henry
Connolly, Patrick J.
Cooper, David M.
Czempas, Leonard
Dale, Margaret
Dixon, David A.
Dunn, Ann S.
Felton, Anne N.
Grossman, Garcia
Hadlow, Hazel P.
Harry, David A.
Heard, Clifford H.
Hicks, Eric F.
Hill, Peggy I. L.
Hitchens, Stanley D.
Horrocks, Jean I.
Horsley, Alan G.
Jackson, William A.
James, Kenneth C.
Love, Brinetta
Markham, Stephen K.
Mitchell, Alastair W.
Montgomery, William S. J. F.
Moore, Valerie T.
Owens, Myfyr
Pratt, Evelyn M.
Pullin, John M.
Reece, John
Robbins, John I.
Rogers, Janice A.
Saunders, John D.
Saxby, Richard W. S.
Shefford, Kathleen M.
Simpson, Keith B.
Smith, Peter
Sorensen, Eileen E.
Spence, Joan E.
Thomas, James A.
Thompson, Audrey T.
Wainwright, Frank T.
Watters, Maxwell
White, Peter A.
Williams, Harry G.
Yard, Kenneth T.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Alterations to Protected List (Part 1)

Item	Doz.		Tax	I.R.P.	
The British Drug Houses, Ltd.					
Carlsbad salt, Squirrel brand	15	0	33⅓	2	4
Dinneford & Co., Ltd.					
Dinneford's fluid magnesia	15	2	33⅓	2	0
	26	6	33⅓	3	6
J. C. Eno, Ltd.					
Eno's Fruit Salt, 8-oz. ...	34	5	33⅓	4	6
Howards & Sons, Ltd.					
Boracic acid, B.P., crystals or powder, 2-oz.	5	0	Nil	0	7½
4-oz.	8	4	Nil	1	0½
8-oz.	14	8	Nil	1	10
Epsom salt, B.P. 4-oz.	3	8	Nil	0	5½
8-oz.	6	0	Nil	0	9
16-oz.	9	8	Nil	1	2½
Glauber's salt, B.P. 4-oz.	4	8	Nil	0	7
8-oz.	7	8	Nil	0	11½
16-oz.	12	0	Nil	1	6
Purified borax, B.P., powder, 2-oz.	4	8	Nil	0	7
4-oz.	6	8	Nil	0	10½
8-oz.	11	0	Nil	1	4½
Sodium bicarbonate, B.P., 4-oz.	5	0	Nil	0	7½
8-oz.	8	4	Nil	1	0½
16-oz.	14	4	Nil	1	9½
The Chas. H. Phillips Chemical Co., Ltd.					
Milk of Magnesia tablets, 12's (new size) ...	5	5	33⅓	0	9
In Channel Islands ...	5	3	Nil	0	7
Southon Laboratories, Ltd.					
Esoban cream of calamine, new pack	11	5½	33⅓	1	9
Thermogene Co., Ltd.					
Thermogene medicated wadding, large size ...	37	2	33⅓	5	0
Thermogene rub for children, per small tin ...			33⅓	0	6
Card holding 2-doz. tins, 1 doz. cards	88	10	33⅓		
Wright, Layman & Umney, Ltd.					
Garlixa, 4-oz.	8	6	33⅓	1	6½
8-oz.	12	3	33⅓	2	4
Wright's saline, large ...	20	6	33⅓	3	2
small	14	0	33⅓	2	2

Deletions from Protected List (Part 1)

Glaxo Laboratories, Ltd.

Ostomalt, ½-lb. jar; Berin tablets, 3-mgm., 500's; Celin tablets, 50-mgm., 500's.

Additions and Alterations to Protected List (Part 2)

Addis, Ltd.

Tooth-brushes:

Item	Doz.		Tax	I.R.P.	
Wisdom bristle ...	17	11	Nil	2	3
extra ...	12	11	Nil	1	8
normal ...	10	0	Nil	1	3
junior ...	7	11	Nil	1	0
compact ...	12	11	Nil	1	8
Baby's Wisdom ...	5	10	Nil	0	9

Progressively lower prices for 6-doz., 12-doz. and 2-gross quantities.

Item	No.	Doz.		Tax	I.R.P.	
Aimee Lloyd & Co., Ltd.						
Euxesis latherless shaving cream		16	3	33⅓	2	6
Bourjois, Ltd.						
Evening in Paris preparations:—						
Face powder	6330	14	6	100	3	0
Rouge compact	9045	13	3	100	2	9
Miniature perfume	2902	14	6	100	3	0
Talcum powder	9098	18	10	100	3	11
Hair cream	9044	15	8	100	3	3
Liquid brilliantine	6261	19	3	100	4	0
Vanishing cream	6270	12	0	100	2	6
Solid brilliantine	9083	15	8	100	3	3
Bourjois rouge	117	7	6	100	1	6

Item	Doz.		Tax	I.R.P.	
Ashes of Roses perfume 41	12	0	100	2	6
3801 Mais Oui perfume ...	36	0	100	7	6
3803 ...	100	9	100	21	0
3804 ...	168	0	100	35	0
3805 ...	288	0	100	60	0
3817 Mais Oui Cologne ...	60	0	100	12	6
Cooper, McDougall & Robertson, Ltd.					
Cooper's household fly-spray, 20-oz.	38	0	Nil	4	9
Crystal Products Co., Ltd. (Addition).					
Leg-tan cream	12	0	100	2	6
Harker Stagg, Ltd.					
Laurence's hair dye ...	17	0	100	3	7

Item	No.	Doz.		Tax	I.R.P.	
Herts Pharmaceuticals, Ltd.						
Nivea Creme beauty pack	384	40	0	100	8	4
hair oil	288	15	0	100	3	1½
talcum powder	377	18	0	100	3	9
baby powder	379	18	0	33⅓	2	9

Item	Doz.		Tax	I.R.P.	
A. S. Hinds, Ltd.					
Hinds honey and almond cream:—					
	6	4	100	1	3
	10	9	100	2	3
	18	6	100	3	11
tubes ...	6	4	100	1	3
Squeeze bottle	24	6	100	4	11

£3 parcels: 6s., 10s., 18s., 6s., and 24s. doz.
£7 10s. parcels: 5s. 9d., 9s. 9d., 17s. 3d., 5s. 9d., and 23s. 3d. doz.

Item	Doz.		Tax	I.R.P.	
Henry C. Miner, Ltd. (Additions).					
Miner's solid Cologne (posy, lavender, eau de Cologne)	12	0	100	2	6
Amber-tone liquid ...	8	0	100	1	3
	16	0	100	2	6
cream ...	8	0	100	1	3
(Alterations) liquid gloves	11	6	100	1	9
	9	8	100	2	0
Stick make-up	18	0	100	3	9
refill, large	12	0	100	2	6
Glo make-up	9	8	100	2	0

Henry C. Miner, Ltd.

Correction: Rate of purchase tax on Amber Tone liquid and cream and liquid gloves is 33⅓ per cent. Prices unchanged.

Item	Doz.		Tax	I.R.P.	
Parke, Davis & Co., Ltd.					
Euthymol tooth-paste (new size)	18	0	33⅓	2	9
Prichard & Constance (Mfg.), Ltd.					
Amami shampoos No.'s 1, 5, and soapless	3	0	33⅓		5
Intermediate terms ...	2	10 doz.			
Best terms	2	8 doz.			
Amami brilliantine, assorted	7	6	100	1	6
polish remover	7	6	100	1	6
nail polish	7	6	100	1	6
hand jelly	7	6	100	1	6

R. J. Reuter Co., Ltd.

Details of revised prices for 4711 toilet preparations may be obtained on application to the secretary, P.A.T.A., 43 Gordon Square, London, W.C.1.

Scrubb & Co., Ltd.

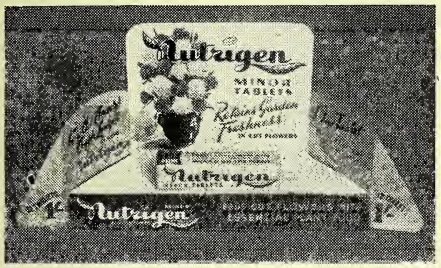
Increased prices, August 1:—

Item	Doz.		Tax	I.R.P.	
Scrubb's cloudy ammonia, 20-oz.	15	0	Nil	1	8
8-oz.	7	6	Nil	0	10
paint cleaner 10-oz.	13	6	Nil	1	6

TRADE NOTES

Coating Change.—Matthews & Wilson, Ltd., 6 Cole Street, London, S.E.1, are in future supplying with white sugar-coating the tablets previously issued by them under brown enteric coatings.

Discount Increased. — Simmonds-Low Horticultural Products, Ltd., 78 Church Road, Acton, W.3, announce after reviewing six months' trading, an increase from



Show material for Nutrigen minor tablets.

25 to 33⅓ per cent. in the margin allowed to stockists of Nutrigen minor tablets (for preserving cut flowers). A window display bonus scheme is in operation for which inquiries are invited from chemists.

Imported Roll Films.—Actina, Ltd., 10 Dane Street, High Holborn, London, W.C.1, are importing Bauchet hyperchromatic roll film in eight standard exposure sizes. The film is packed in damp-proof aluminium container. Prices may be had on application.

Mycologists' Equipment.—Under that label a glass case in the "Living World" section of the Dome of Discovery at the South Bank exhibition of the Festival of Britain, a range of Michrome brand stains (Edward Gurr, Ltd., 42 Upper Richmond Road, London, S.W.14) used for penicillin research and other mycological investigations is shown alongside a microscope by R. & J. Beck, Ltd., 69 Mortimer Street, London, W.C.1. A range of Messrs. Gurrs stains and reagents is included also in one of the travelling exhibitions.

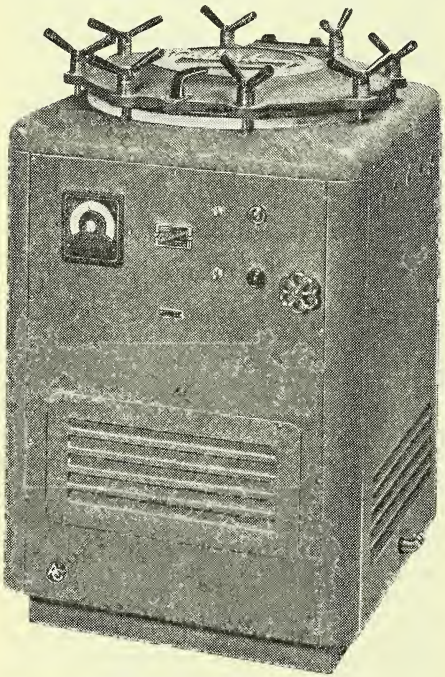
Holiday Closings.—The works of Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, will be closed for the annual holiday from July 27 until August 13; a skeleton staff will remain on duty to deal with urgent orders and inquiries.—A skeleton staff will be available at Glaxo Laboratories, Ltd., Greenford, Middlesex, from 8.30 a.m. until 12 noon on Saturday, August 4, to deal with emergency orders during the Bank Holiday weekend. —The works of Harker Stagg, Ltd., Emmott Street, London, E.1, will be closed during the whole of the August Bank Holiday week (August 6-10); the company's West End office at 8 St. George Street, Hanover Square, W.1 (telephone: Mayfair 4323), will be open for pharmaceutical specialities business.—The factory and laboratories of Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts, will be closed from Thursday evening, August 2, until Monday morning, August 20; a small office staff will be retained to deal with orders.—May & Baker, Ltd., Dagenham, will be closed from Friday evening, August 3, until Tuesday morning, August 7; the order department of Pharmaceutical Specialities (May & Baker), Ltd., will be closed from noon on August 3 until the same reopening date. During that period routine supplies may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1 (telephone: Welbeck 5555). —The works of William Ransom & Son, Ltd., Hitchin, Herts, will be closed for one week from August 13; the office will be open as usual.—The headquarters of the Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, will be closed for holidays during August.

New Products and Packs. — Oliver Battenberg & Co., 6 Great Winchester Street, London, E.C.2, have introduced the Thermakozy, an electrically-heated tea-cosy that should have a considerable sale amongst invalids, doctors and nurses; it enables tea, etc., made at night to be kept hot until the next morning.—Ciba Laboratories, Ltd., Horsham, Sussex, have introduced Privine emulsion with Cibazol, a nasal decongestant and bacteriostat for local application, and reintroduced Carbantren tablets, an intestinal antiseptic and absorbent for the treatment of diarrhœas, etc.—Crescent Preparations, Co., Ltd., 69 Ebury Street, London, S.W.1, are marketing a new product, Cresto, which is described as a "nail revitaliser." The preparation, in screw-capped container in red plastic, is issued in display cartons of one doz.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, have marketed the Sylvia adjustable sanitary belt.

FIRST BRITISH INSTRUMENTS EXHIBITION

SCIENTIFIC instruments offered by 150 British manufacturers were displayed at the first British Instrument Industries Exhibition held in London, July 4-14.

A display of scientific literary treasures by the Physical Society included a first edition of Otto Von Guericke's "*Experimenta Nova,*" 1672, open at an engraving illustrating his experiment performed before royalty in which two teams of horses tried to pull apart the halves of an evacuated sphere; the "*Saggi di Naturali Esperienze*" (Florence 1666), open at a description of early thermometers (1640-50); and Newton's "Light."



New autoclave shown by A. Gallenkamp & Co., Ltd.

New pharmaceutical apparatus included an autoclave recently put into production by A. Gallenkamp & Co., Ltd. Heated by either electricity or gas the autoclave is totally enclosed in a square-sided casing with controls on the front panel; the hinged cover is made of a light alloy for easy opening and closing, and secured by spring-lifted bolts that remain vertical on release. The company's first post-war catalogue of instruments was available at the stand. Dispensing balances on view at the stand of William A. Webb, Ltd., included a cream and apple green so-called White Monarch with 7-in. light-alloy beam to minimise wear on the steel knife-edges. On the stand of Stanton Instruments, Ltd., was the pilot model of a constant-load pre-selector single-pan balance. Balances and precision weights were shown by L. Oertling, Ltd.

Laboratory-scale Machinery

A new ampoule cutter and vial capping machine was shown by Apis Engineering & Research, Ltd. New laboratory-scale machinery shown by Griffin & Tatlock, Ltd., included a vibrator ball mill claimed to do 1½ hours' normal grinding in ten minutes. Vibrations cause the balls to form a pyramid, in which those at the top constantly fall to the bottom. The company also showed a disintegrator with gas ports to permit disintegration in an inert atmosphere. Visitors to the stand were presented with a souvenir catalogue in celebration of the company's century-and-a-quarter of existence.

J. W. Towers & Co., Ltd., showed an electrically heated quartz Isomantle giving a temperature of up to 800°C; apparatus for micro-distillation and micro-sublimation, etc.; and a new apparatus-drier incorporating an air heater and blower. W. & J. George & Becker, Ltd., showed laboratory scaffolding and the prototype of a fully automatic single-pan balance sensitive to 0.1 mgm. and with totally enclosed weights.

Laboratory apparatus shown by Townson & Mercer, Ltd., included a Karl Fischer apparatus; a glass-surface micro-wet-grinder and a top-drive macerator for the disintegration of organic matter. G. H. Zeal, Ltd., showed a complete range of thermometers, including dial and clinical instruments.

Weighing bottles with interchangeable stoppers and a new stop-cock grease were shown by Poulten, Selfe & Lee, Ltd. James A. Jobling & Co., Ltd., displayed the prototype of a Pyrex automatic still for producing injectable water; heated by a Pyrex immersion heater, it produces a maximum of 3.41 litres hourly. Quickfit & Quartz, Ltd., showed a scale model of a sulphur-trioxide absorption tower for producing analytical sulphuric acid on an

industrial scale. Glass Developments, Ltd., showed a working model of the Oldershaw glass fractionating column, used in the analysis of hydrocarbon mixtures. Chance Bros., Ltd., and A. C. Cossor & Son (Surgical), Ltd., showed all-glass hypodermic syringes with interchangeable parts.

New physicochemical apparatus included a visible spectrophotometer working on a waveband of 3,500-10,000 A°, by Unicam Instruments (Cambridge), Ltd. W. G. Pye & Co., Ltd., showed a portable totally self-contained mains-operated *p*H meter with an automatic temperature-compensation device and protected glass electrode.

Spectrophotometers, colorimeters, absorptiometers, fluorimeters, etc., were exhibited by the Hilger division of Hilger & Watts, Ltd. Electrical titration apparatus and *p*H meters were shown on the stand of the Cambridge Instrument Co., Ltd.

Exhibitors of microscopes included R. & J. Beck, Ltd., who showed a range of reflecting and lens microscopes including a students' model; Cooke, Troughton & Simms, Ltd. (Vickers projection microscope and stereo microscopes); W. Watson & Sons, Ltd. (on the same stand of Sc'ex) (microscopes for research workers and students). On the same stand Baird & Tatlock (London), Ltd., showed a gyro centrifuge, metal unit laboratory furniture, etc. Flatters & Garnett, Ltd., showed a micro-projector which projects on to a screen a magnified picture of fibres, powders, etc., microscopy appartus and chemicals, and tubes of water-culture salts, each lacking a necessary salt, and making four litres of solution.

A portable viscometer by Ferranti, Ltd., the prototype of which has been demonstrated to the Physical Society enables accurate readings to be taken of liquids in bulk without sampling. May & Baker, Ltd. showed chemicals used in the instrument manufacturing industry, photographic chemicals, document-copying developer, etc. High-pressure quartz mercury-arc tubes exhibited by Hanovia, Ltd., included a tube mounted for sterilisation of water; also shown was a fluorescence-microscopy lamp incorporating a low-pressure discharge tube. A slit sampler for measuring airborne bacteria was shown by C. F. Casella & Co., Ltd.; and vacuum apparatus by W. Edwards & Co. (London), Ltd.

At the stand of the Department of Scientific and Industrial Research was an automatic constant-volume fraction collector.

N.H.S. DISPENSING

Wallasey.—In the year ended March 31 the cost of the health services in the borough was £362,376 (pharmaceutical services, £183,850). Drugs and appliances cost £11,877 more.

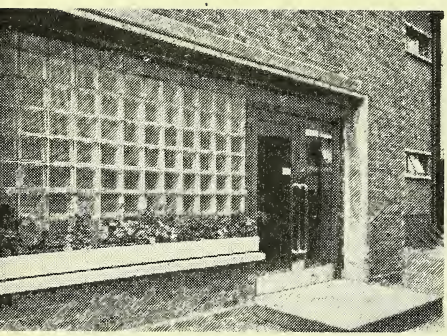
Liverpool.—In the financial year ended March 31, payments to chemists totalled £835,501; prescriptions dispensed numbered 6,125,000; average cost per prescription was 2s. 11.25d. (against 3s. 2.13d. for the whole country); frequency was 0.58 per person (against 0.42).

Shropshire. — Shropshire Executive Council at Shrewsbury on June 21 discussed reports of the Pharmaceutical Service Committee on two cases of alleged inaccurate dispensing. The Council approved a recommendation that one contractor should be censured, and approved a recommendation that the Minister of Health be requested to withhold £10 from a second. (An ingredient requested in the prescription was found to be absent and another not requested present.)

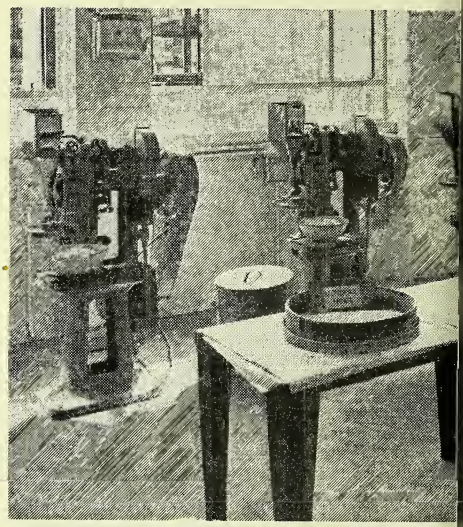
Surrey.—During the year ended June 30, 1,237,859 EC10 prescriptions costing £916,090 were dispensed in the county at average costs per person of 117.6d., and per prescription of 41.23d. Payments for rota services amounted to £14,189. The corresponding figures for the first year of the Health Service were:—1,231,735, £741,223, 144.4d., 35.92d. and £11,458. Pricing checks made on behalf of the Pharmaceutical Committee by the National Pharmaceutical Union revealed an error of 0.15 per cent. (In the year to March 31 259 tests were taken, of which fourteen were referred to the Service Committee).

Wales.—In the year ended March 31, 16 million prescriptions were dispensed by chemists in Wales, equivalent to nearly seven prescriptions for each person on doctors' prescribing lists. During the influenza epidemic in January 1951 the number dispensed was approximately 2,160,000. The report of the Welsh Joint Pricing Committee, presented at Aberystwyth recently, stated that no further arrears of pricing were accumulating in Wales though during the past six months more than 1,250,000 prescriptions had been transferred to the bureau for pricing from three areas of England. Total administrative cost of the committee for the year under review was £13,600 or 0.6 per cent. of the cost of the prescriptions dealt with.

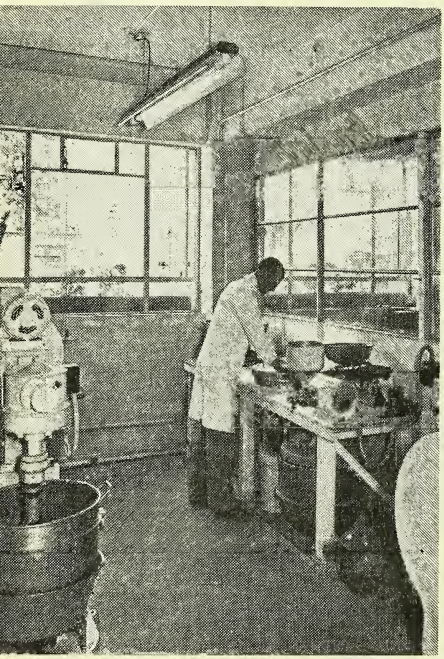
A MADE-TO-MEASU



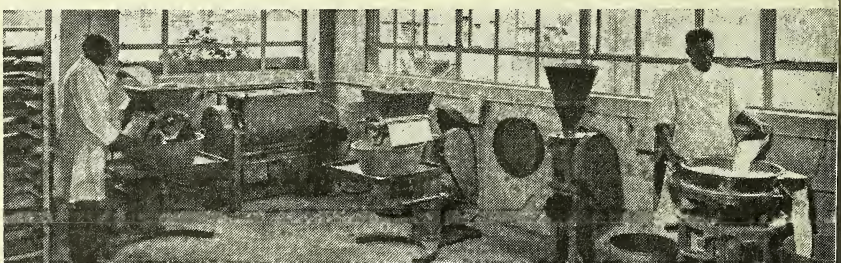
Entrance to works.



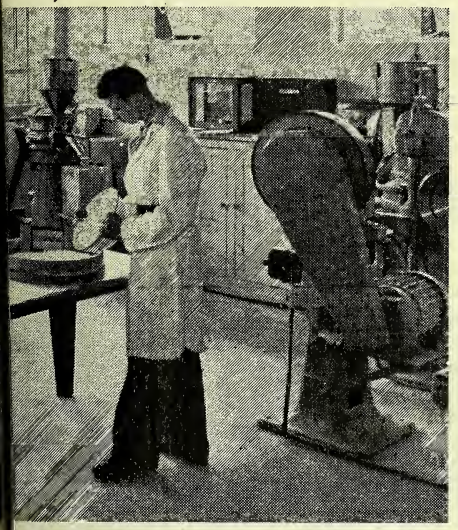
Tablet machine room.

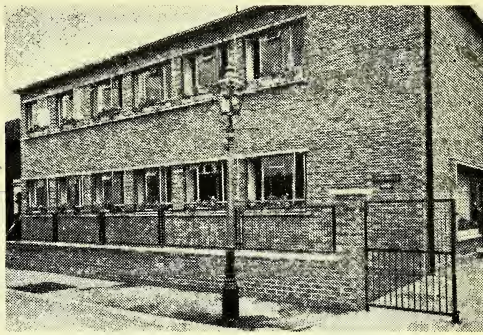


Not tablets only—one room (above) is set aside for making creams. Above: Control laboratory. Below: Mixing and granulating.



TABLET FACTORY





Frontage to public road.

WHEN, after adding a room here and throwing out a wing there, Clinical Products, Ltd., reached the practical limit of expansion at their factory at Teddington without overtaking demand, they sought and secured a licence to build a new works. By that time the course of manufacture was becoming a switchback rather than a flow, and there were practical as well as visionary reasons for wanting to introduce a little streamlinig into the production process.

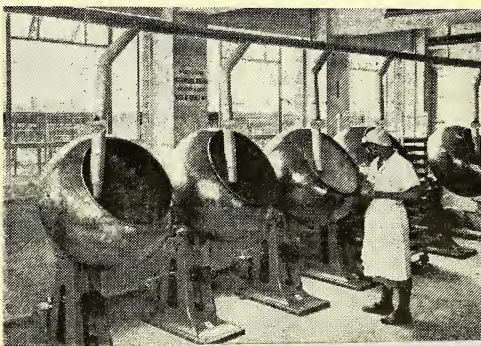
A new works opened at Victoria Villas, Richmond, in the early months of the present year goes far to realise the works manager's dream of an ideal setting for the achievement of maximum output.

At first sight of the agreeably proportioned modern two-storey building, designed by Mr. O. Garry, A.R.I.B.A., one's eye is caught by a double row of pale blue window-boxes of red geraniums, setting off to perfection the stone-bordered windows of the red-brick frontage. More plants in pots greet the worker as he clocks in for work, or the commercial traveller calling hopefully to secure an order. For that attractive attention to floral detail, as for the broad layout of the factory, the works manager (Mr. Victor Fox) was responsible.

For a tour of the building it is convenient to enter it with the "goods inwards" at the far end of the building, and to follow them though until they emerge as packed and labelled finished products. Day-to-day materials in quantities of 2 cwt. and less are handed down from a lorry into a small store-room. The factory itself is small, having a floor space of around 5,000 sq. ft., and though there is territory for future expansion, bulk materials have at present to be kept at the old works at Teddington and brought over by van as required. There are two mixing rooms for tablets—one for coloured granules—where the medicaments, plus any excipient, are made ready in Manesty mixers, fed into granulators, dried in hot-air ovens, and finally sieved ready for tableting.

The tablet machine room, into which the granules next pass, is equipped with a battery of single-punch and rotary tablet machines. From it leads off an air-conditioned department reserved for special tablets. When made, and after loose powder has been separated off in an oscillating sifter, the tablets are weight-counted on a steelyard balance, on which it is enough to put 100 tablets on one scalepan to

Tablet-coating room.



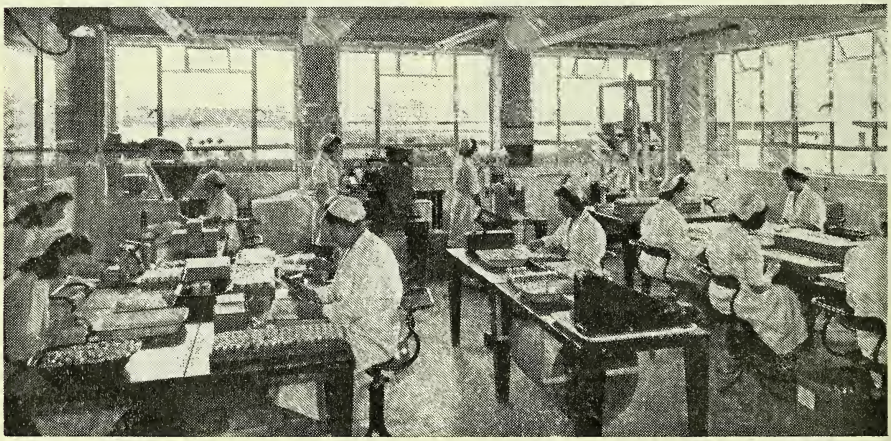
secure an accurate 10,000 on the other. The tablets are finally bulk-packed for later packaging and issue.

Preparation of Creams

A cream room, equipped with Hobart mixer, roller mill, Q.P. homogeniser and Manesty still, and a workshop, with locked cupboard housing hundreds of £'s worth of tablet punches, completes the ground floor circuit. Upstairs are a coating room with seven rotary coating pans, an alcove for hardening off the coated tablets, a subsidiary filling room, packing room, canteen, laboratory and works manager's office. Of these the focus of interest is, perhaps, the filling room. Here the screw-capped aluminium containers in which—for example—Persomnia tablets are sent out are filled from a Russell vibrating tablet counting machine, which delivers the required number in a four-row stream into the metal drum. Labelling is fully automatic in a Jagenberg labeller, believed the only machine that affixes a label round the whole circumference of a small cylinder. The collapsible tubes of antipruritic creams are filled in another part of the room from bulk by means of an Alite filler.

For heating, the factory is equipped with electric unit heaters, which in the summer can be switched over to provide ventilation. White-painted metal venetian blinds on the first-floor windows prevent the sun from being troublesome, and the company's up-to-date outlook on equipment is further exemplified in the Dexion girder shelving, wheeled trolleys, etc., to be seen in use in the factory for a variety of purposes. Not only are all proprietaries of Clinical Products, Ltd., made in the factory but other manufacturers have been quick to take advantage of the company's facilities and skill, and among those whose tablets are made under contract are a number of names familiar to pharmacists. The streamlining that has resulted from the change-over to the new works has, as might be expected, greatly accelerated the pace of production. Despite the increase in output, there is room for further expansion before the licence (already held) to add another 5,000 sq. ft. of floor space is given effect.

The company's offices remain at 2 The Green, Richmond.



Packaging under ideal conditions

MILITARY PHARMACISTS

THE thirteenth Congress of Military Pharmacy, held in Paris recently, put forward a recommendation that the health services of all armies should include a pharmaceutical and chemical service, and eventually a biological service. The principal functions of the two services should be the purchase, compounding and dispensing of drugs, medicaments and medical supplies of all kinds; direction of laboratories for chemical analysis; chemical and toxicological researches; service in the realm of hygiene, prophylaxis, etc. "In time of war, as in time of peace, every depôt of drugs, medicaments and medical supplies must necessarily be under the orders of a military pharmacist."

PEACE-TIME USES OF RADIOISOTOPES

An international conference—the first of its kind—on the peaceful uses of radioactive isotopes was held in Oxford, July 16-21, under the chairmanship of Sir Henry Dale. The conference was organised jointly by the Medical Research Council and the Atomic Energy Research Establishment, Harwell, of the Ministry of Supply.

Clinical Applications

Dr. J. W. Otte, Madrid, described how methionine cystine, the hydroquinones and related compounds had been found to protect against damage to the blood-making system during treatment with radioactive phorphorus compounds. He could not suggest the mode of action, but thought the SH group of methionine might be involved. Greater protection was given to the white than to the red blood cells, and though methionine protected against whole-body radiation with *x*-rays, it gave no protection, so far as he knew, to the digestive system. The compound was given in 2-gm. doses with each of three meals daily. No toxicity had been found.

Dr. H. F. Freundlich, Cambridge, described how naevi in children are treated with P^{32} solution. The solution is dropped on blotting-paper cut to the size of the lesion, the blotting-paper enclosed in transparent tissue, placed in an applicator, and held in position with transparent tape, dosage being measured with small condenser chambers.

Dr. K. Scheer, Heidelberg, illustrated with a film a method of applying cobalt 60 as an isotope-containing plastic mass (Plastobolt) using C^{60} in fine powder and incorporating it aseptically in a plastic material soft at body temperature by means of wooden spoons and spatulas. The mass is tested for intensity of radiation, rolled out into a flat cake, and a portion cut to the size and shape of the area to be treated. Wrapped in transparent tissue, it is held to the affected part with transparent adhesive tape. The product has been successfully used in cancerous conditions of the breast, nose, vagina and local cord.

Radioiodine

Drs. R. Paterson and H. C. Warrington (Christie Hospital and Holt Radium Institute, Manchester) described a treatment of thyroid cancer with radioiodine where the tumour is of the kind that selectively absorbs iodine (about one in five cases). Dr. J. Nielsen, Radium Centre, Copenhagen, urged that the method should be reserved for inoperable cases. Improvement in seven out of fifteen cases of thyrotoxicosis treated with radioiodine was reported by Mr. G. W. Blomfield, National Centre for Radio therapy, Sheffield.

Radioisotopes in Biology

Using radioactive albumin and globulin, Dr. J. O. Laws, London, had found that in animals globulin was broken down more rapidly than albumin. Dr. H. Bohr, Denmark, explained some of the processes underlying the measurement of blood volume using radioactive phosphorus, while Dr. S. Rowlands and colleagues, Edinburgh University) described a simplified method of estimating blood volume.

The use of radioisotopes incorporated into microbes for investigating the behaviour of microbes towards antibacterial drugs was described by Dr. A. Frappier, Montreal, Canada. Using radioactive tracer-paper, workers from the Pest Infestation Laboratories, Slough, showed how chromatograms may be scanned radiometrically and the separate components estimated and separated quantitatively. The process had been used, they said, for separating some of the phosphorus constituents of milk casein.

Pharmaceutical Chemistry Research

Dr. E. Lester Smith (Glaxo Laboratories, Ltd., Greenford, Middlesex) described how he had prepared vitamin B_{12} labelled with Co^{60} to high specific activity by fermentation with *Streptomyces griseus* in a medium containing radioactive cobalt A sample of that vitamin was shown at an exhibition arranged for the conference. Radioactive phosphorus could similarly be incorporated into the molecule and carbon 14 could be chemically incorporated into the B_{12} vitamins. With the help of S^{35} and Na^{24} he had confirmed the basicity of vitamin B_{12a}

At a discussion on the supply of radioactively labelled organic compounds, on July 16 it was decided to ascertain by questionnaire which compounds were in demand; to devise a scheme for co-operation between laboratories preparing the compounds; and the activities of the laboratories.

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VOL. CLVI JULY 28, 1951 No. 3727

For Whom the Freedom?

A CORRESPONDENT in the "Daily Telegraph" (Mr. H. A. Curtis, F.C.I.S.) deals very aptly with the argument that ending systems of price maintenance "frees" the retailer from the bonds of stifled competition. "The fixed margin of profit a retailer gets," he rightly says, "is his wages." Other workers get together to fix reasonable wages for themselves, yet the Government proposes to make it illegal for shopkeepers to do so. The "stifling" effect on competition of preventing workers from making price (i.e. wage) reductions they might be able and willing to make is equally apparent, except to the Government—unless, of course, the intention is to complete the liberation movement by allowing workers to enjoy the advantages of freedom in competitive wage reductions.

"You can really have no notion how
delightful it will be,
When they take us up and throw us, with
the lobsters, out to sea?"
But the snail replied "Too far, too far!"
and gave a look askance—
Said he thanked the whiting kindly, but
he would not join the dance.

Leasehold Temporary Provisions

THE Leasehold (Temporary Provisions) Act, 1951 was made law on June 24. It is of value to note what modifications it makes to tenants' rights under the Landlord and Tenant Act, 1927. That Act confers on a tenant four rights: To execute improvements to the premises even against the wishes of the landlord (though in strict accordance with the statutory procedure laid down by the Act); to claim compensation at the end of the tenancy for improvements which have thus been executed; to recover compensation for the goodwill; or to be granted a new lease (which cannot, however, be for a period greater than fourteen years). Under Part 2 of the 1951 Act a tenant may be granted an extension of lease (in the first instance only for one year, with a right to a subsequent renewal or renewals up to the two-year limit set by the Act). Where a tenant is granted such an extension, the period of occupation during the extended tenancy has to be entirely ignored for the purpose of the Landlord and Tenant Act, 1927. Thus he could not during that period exercise a right to execute improvements against the wishes of the landlord. Moreover, his original tenancy will be regarded as having come to an end in the normal way as if no such extension had been granted. This is to the advantage of a tenant who is entitled to claim compensation for goodwill, since it entitles him, notwithstanding an extension of his tenancy under the 1951 Act, to bring proceedings for the recovery of such compensation.

However, the time during which a tenant is in occupation under any extensions granted under the 1951 Act does not count towards the five-year period of trading necessary to substantiate a claim for a new lease or for goodwill. On the other hand the occupation of the premises during any extension granted under the 1951 Act is not regarded as breaking the continuity of a tenant's occupation for the purpose of claims under the Landlord and Tenant Act, 1927, should the tenant continue in possession under a new agreement with the landlord after his extended tenancies (i.e., under the 1951 Act) have expired. To take an example, if a tenant has traded for four years before June 24, 1951, then gets an extension under the 1951 Act up to June 24, 1953, and after that date remains on in occupation under a fresh agreement with the landlord for another two years, that is until June 24, 1955, he can add the subsequent two years' trading to the previous four years'

trading to make up the necessary minimum of five years for making claims for compensation or a new lease under the 1927 Act.

Where a tenant has made a claim for compensation for improvements under the 1927 Act, or for compensation for goodwill, the landlord can defeat his right to such compensation by making him an offer to renew the tenancy for such term and at such rent as the Court, in the absence of agreement, may determine. This offer is required by the Landlord and Tenant Act, 1927, to be made within two months of service of the tenant's notice of claim for compensation for improvements or goodwill, as the case may be. Where such an offer has been made by the landlord, within the prescribed time, the tenant is not entitled to claim any extension of his tenancy under Part 2 of the 1951 Act, and is thrown back on his rights under the Landlord and Tenant Act, 1927. Where proceedings for a new lease cannot be completed in time before the expiry of the tenancy, the Court may make an interim order under the 1927 Act extending the tenancy until the new lease proceedings have been concluded. Where such an interim order has been made, but the Court refuses to grant the tenant a new lease under the 1927 Act, the Court can direct that the possession of the tenant under the interim order is to be regarded as possession under an extended tenancy granted under the 1951 Act. A tenant is, of course, required to apply for an extension under the 1951 Act within one month before the date on which his tenancy automatically expires or within one month after notice to quit has been served him by his landlord. Where a tenant has made a claim under the Landlord and Tenants Act, 1927, it is unlikely that he will be able to comply with that requirement of the 1951 Act, and accordingly that Act provides that where such a direction has been made under the 1951 Act in the circumstances above mentioned, the Court may extend the time within which the tenant, who has been refused a new lease under the 1927 Act, may make an application for an extension of the lease under Part 2 of the 1951 Act.

Overseas Trade in June

TOTAL exports of chemicals, drugs, dyes, and colours from the United Kingdom in June amounted to £11,538,248 — the second highest figure on record (£13,354,473 in May). The United States was the chief buyer, taking goods to the value of £1,110,435. India (£684,934) was the next highest purchaser. The figure for manufactured drugs, medicines and medicinal products (£2,615,335) was £595,193 less than in the record month of May but was, nevertheless, well up to average for the rest of the year. Exports of proprietary medicines amounted to £638,093, the highest figure ever recorded in this section. Australia was the largest buyer purchasing proprietary medicines valued at £79,408; Malaya (£73,102) was next. Exports of aspirin totalled £70,512, against £40,641 in the corresponding month of last year. The value of insulin exports was £33,341 and represented 852,007 x 100 international units. Penicillin salts totalled £401,026 (2,096,391 mega units). Toilet soap (including liquid toilet soap) exports were £306,048 against £127,061 in June 1950. Essential oils (other than turpentine) amounted to £98,888, more than double the exports during the same month in the two previous years. Perfumery and toilet preparations (excluding perfumed spirits, essential oils and soap) exported during June was £571,332, against the record May figure of £599,857 and £358,736 in June 1950.

A PHARMACIST'S ANTHOLOGY

HIS [Nelson's] desire "to send many of our ships who want what I cannot give them, to England, towing a line-of-battle-ship" was appreciated in his fleet, and the anti-scorbutics in which he put good faith and which he had acquired for his ships, at sea, with much difficulty, had also done their work. As early as August 24 he was able to state: "This day only six men are confined to their beds in the whole Squadron" and by early October his description had a familiar ring. "We are healthy beyond example and in good humour with ourselves."—*From "Nelson," by Carola Oman.*

CORRESPONDENCE

Advertised Proprietaries

SIR,—It is with considerable astonishment that we read in the report of the Belgian symposium on proprietaries control, held recently in Brussels, as reported in your edition of June 23 (p. 811), that Mr. W. K. Fitch, M.P.S., considers that manufacturers of publicly advertised proprietary remedies in Great Britain are a "menace." We are growing accustomed in this country to politicians describing people who are not of their own political outlook in derogatory terms, but we take exception to the generalities employed by Mr. Fitch in the paper read by him at the Belgian symposium, which do not appear to be helpful at this time. We are being urged more and more strongly by the Government to export as much as possible, and the sale of British proprietary remedies in Belgium is quite considerable. We do not think that Mr. Fitch's remarks will do anything to help the position. We agree that, in principle, all manufacturers of medicinal products should be technically equipped, but we can only speak for ourselves in saying that we have a modern laboratory with several fully qualified chemists on our staff, and have at our service a very fine research laboratory. So far as advertising is concerned, it need only be said that the "Code of Standards" to which Mr. Fitch refers has been approved by representatives of all interested parties, including Mr. Fitch himself, as being reasonably satisfactory, and the use of superlatives is one of those things which are not permitted under this Code.

J. C. ENO, LTD.
MARK PATTEN, *Managing director.*
Watford, Herts.

Referendum Sought

SIR,—At a recent meeting in London of pharmacists engaged in the National Health Scheme in Surrey—we hesitate to say "contractors" as, apparently, there never has been a contract—the County of Surrey Pharmaceutical Committee obtained by what we consider unfair means majority vote to accept the "offer" by the Ministry of Health. The chairman made it plain from the start of the meeting that the Committee would not welcome any speech in favour of rejection. The Committee had, in fact, decided at a meeting in the afternoon to accept the offer "under protest," but they would feel better about it if they had the unanimous backing of the members. When members did speak against acceptance they were greeted with loud applause from the body of the room, but no member of the Committee at any time brought up a single point in favour of rejection. We are certain that that fact and the remarks of the chairman induced many members who had intended to vote for rejection to vote for accepting the offer. We would like to see a referendum put to every member dispensing under the National Health Scheme and action upon it taken accordingly. As for financial embarrassment being the reason for acceptance, we feel that a drastic overhaul of business methods would prove the right answer. What is important is that, in place of a contract, the terms of business on which pharmacists entered the scheme are arbitrarily changed by the Ministry, who then take up this pistol-to-the-head attitude, all but refusing arbitration.

Walton. T. R. GLOVER.
Tadworth. M. G. BLOODWORTH.
Tadworth. J. RUSSELL.

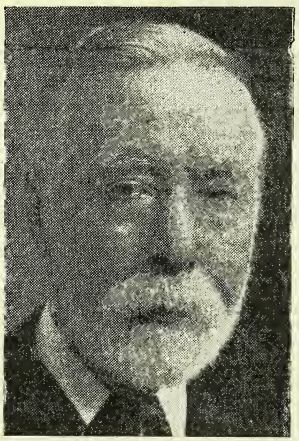
SIR,—The pharmacists of Walton-on-the-Hill and Tadworth have sent me a copy of a letter which they have addressed to you, upon which I would make the following comments and request simultaneous publication. First: At the beginning of the meeting the chairman stated that, although the Pharmaceutical Committee, after three hours' discussion, had made a decision, he would not convey it to the meeting until those present had had an opportunity of expressing their views, and further, that the Committee would consider themselves bound by the decision of the general meeting, irrespective of the decision they themselves had reached earlier. Secondly: It was made clear that neither the Pharmaceutical Committee nor the meeting of Surrey pharmacists had a final voice, but that the power of decision lay with the Conference of Pharmaceutical Committees to be held on July 25. Thirdly: The shorthand note taken at the meeting does not show any of the three signatories as having disclosed their views to the meeting.

F. C. WILSON, *Secretary,*
Surrey Pharmaceutical Committee.
London, S.W.19.

THE FAIR TRADE ABANDONMENT BILL

By a Nonogenarian Pharmacist, W. Johnston

THE title at the head of this page is not the official title of the measure that will embody the Government's policy on price maintenance, but it is what that boils down to. Call it by any other name, the possibility of its becoming law gives all fair-traders equal pain. The Bill would have the effect, *inter alia,* of torpedoing the most useful price-protection association that the present century has seen, namely the Proprietary Articles Trade Association. The sponsers of the Bill cannot realise how unfair it is to the worthy traders whom it will hit, or surely they would not lend themselves to the semi-destruction of the Association.



The state of things that obtained in 1896 would return. Look for a moment at conditions at the end of last century, when the writer was in business as a pharmaceutical chemist. Holloway's pills, to take one example, were advertised at 1s. 1½d.. a box. Until the tax was increased from 1½d. to 3d., those figures held. Then price-cutters began to sell at the cost price of 10½d. Soon they drew customers away from the chemists, who had to follow the example of stores and cutters to maintain their turnover in those goods. In a few years the commercial canker of cutting spread over the country, and much hatred was generated. Most manufacturers intended the vendors to receive threepence a box profit and it is not to be wondered at that when they got nothing, chemists began to push their own instead of advertised goods. The manufacturers and advertisers who thus lost much of what should have been the results of their advertising expenditure were asked to stop the cutting in the stores. Without unity, it was soon seen that the stores would snap their fingers at individual proprietors, so an East-end chemist (Sir William Glyn-Jones) formed a three-fold union of proprietors, wholesalers and retailers to arrange for fixed prices—in some cases at the full 1s. 1½d., in others at the modified price of 1s. per box. For years the union was resisted by the persistent cutters, but gradually they agreed to the proprietor's wishes and, for the past 40-50 years or so there has been comparatively little under-cutting. The P.A.T.A. has been an inestimable boon to chemists and also to other classes of traders who sell proprietary articles as side lines.

As assistant secretary of the Proprietary Articles Trade Association for many years in the period between 1898 and 1920, I had every opportunity of judging its fairness and general advantage. I have no hope that individual proprietors would be more successful in running their own price - protection schemes now than at the beginning of the century, though individual endeavours would be better than nothing. I am convinced that the proposed legal ban upon the association of proprietors and other members would be fatal to ultimate efficiency in maintaining prices. We were told years ago that, if we could persuade the co-operative societies to refrain from giving "divi" off P.A.T.A. fixed prices, the big stores would also sell at net prices. They kept their promise. It is easy to predict what would happen if they (the "co-ops") again started cutting—for that is really what the giving of "divi" means. The "co-op" members have nothing to complain about when asked to forgo their "divi" on any article they are buying, because profit and "divi" are obtained on the general turnover of the establishment and no manufacturer or association of manufacturers can prevent it. So when a housewife is denied her "check" on, say, Beechams Pills, she gets instead extra "divi" on unprotected goods.

Wrong Done to Traders

If the Bill is forced through Parliament a great wrong will be done to chemists and other traders who depend so much on what they sell in the way of goods bearing a reasonable amount of profit. It

should be noted that goods protected by the P.A.T.A. are sold not only by chemists but by grocers and many other classes of traders, and I am told that since the improved system of sales has been established many more shopkeepers of different classes are selling the various articles. Any considerable return to the old cut-throat order of things will inevitably reintroduce the old hatred and "bad blood." Why should it be given the chance ? There is absolutely no need to change. How could Parliament excuse the cruel injury which the proposal would do to the P.A.T.A. It is difficult to see what excuse there is for worsening the financial position of an esteemed body of traders like pharmacists. Is there any reason for such an unjust unheaval ? At the age of ninety-two, I say "No." If Parliament is bent on restricting profits it is always possible to prescribe reasonable maximum figures for different classes of goods and to leave the net charge at that. That is my feeling as a pharmaceutical chemist who was one of the founders, along with Sir William Glyn-Jones, of the Proprietary Articles Trade Association. Sir William is dead and with him nearly all the original founders, but those of us who are left and the thousands of modern working pharmacists who appreciate the P.A.T.A. will suffer irreparable injury if the Association is stabbed to death !

CHEMICAL PRODUCTION IN SCOTLAND

A SURVEY of economic conditions in Scotland in 1950 recently published by the Clydesdale and North of Scotland Bank, Ltd., records that the chemical industry has risen steadily since the war, and its volume of new orders in 1950 was considerably greater than a year earlier. Prices of chemicals rose gradually, largely through increased costs of raw materials. Delivery dates for finished products shortened appreciably up to mid-1950, but thereafter that tendency had been reversed. Foreign competition increased during 1950, South Africa, India and Australia being new competitors. As a result of successful efforts by individual concerns, dollar sales continued to rise, despite the high rates of duty levied by the United States. Commonwealth countries were the best overseas customers, the largest shipments going to Canada and Australia ; exports to Egypt, South America, India and Pakistan were more difficult.

British alginates now account for over 20 per cent. of the total world output, and in the past five years the tonnage of seaweed collected in Scotland has increased sevenfold, providing additional employment in South Uist, Benbecula, Tiree and the Orkneys.

Progress was made with the chemical plant and enlarged oil refinery at Grangemouth ; part of the plant started operations in March 1951.

An enterprise unique in Scotland was undertaken about four years ago by perfume manufacturers in Banchory, who started to cultivate lavender on a commercial basis and to distil the essential oil used in perfumery. As a result of the fine quality of the oil obtained, the company concerned plans to increase the acreage under lavender by establishing plantations in other districts of Deeside. All oil distilled locally is used in the manufacture of Dee Lavender. Delivery dates were competitive with those offered by overseas manufacturers and about one-tenth of the production was exported, principally to the United States, Southern Rhodesia and Canada. The volume of orders increased considerably in 1950.

A SUB-MICRON AIR FILTER

ENGINEERS and representatives of the Press visited the country works of Vokes, Ltd., Henley Park, Guildford, Surrey, on July 14, to see among other products the company's newly produced high-efficiency air filter. Developed with the help of experience gained in making gas-masks, the filters have been designed to remove from air 99.99 per cent. of particles as small as 0.2μ. They are suitable for the sterile-filtration of air used for flushing aseptic dispensing areas, penicillin and serum preparation plant, operating theatres, etc. ; and for trapping dangerous particles in effluent air. Woollen fibres impregnated with a finely divided synthetic resin and carded into a "lap" or pad and electrically excited are used for the filter material. The filter medium is wound under compression on to pipe of metal gauze, and the filter-enwrapped pipe is enclosed in an outer casing, the whole unit being called a canister. A number of canisters are normally used in parallel between dirty and "filtered" header ducts. The air to be filtered may be passed either way through the medium.

HERB CROP REPORTS

The following reports on this year's herb crops have been received from growers:—

Perks & Llewellyn. — The LAVENDER is in bud and coming on well. There has been no frost damage, but unfavourable spring weather delayed growth and the harvest will probably be later than usual, given a spell of sunshine, there should be an excellent crop.

Bruce Starke & Co., Ltd.—CHAMOMILE.—We have a fair crop, which has benefited by the earlier rains. The plants are looking healthy and we expect an average yield. LAVENDER.—This crop is also looking well, and we expect a crop of a little above average. ANGELICA.—Although a small crop, it is progressing satisfactorily, and should we get more rain will be quite up to average. PEPPERMINT. — This has also benefited by the early rains and should do well if the weather is not too dry.

William Ransom & Son, Ltd.—Many crops this year will be below average owing to the exceptionally cold weather during March, April and May. We are at present moving from Wymondley Bury to a much larger farm at Wiggin Hill. For this season crops will be harvested from both farms. BELLADONNA.—This is very backward and we began cutting nearly a month later than usual. The crop is exceptionally clean but rather below average weight per acre. The young plantations are growing well and there should be at least an average cut in the autumn. BROOM TOPS.—We are now collecting and hope to have enough to meet reasonable demand. BUCKTHORN BERRIES.—It is too early to give an opinion, but this crop will be collected as usual in the autumn. CHAMOMILE.—There will be a very light crop. This year's plantation was an almost complete failure and has had to be transplanted. DANDELION.—We are finding it increasingly difficult each year to collect enough English root to cover our usual requirements. ELDER FLOWERS.—We have just begun collection and prospects are satisfactory. FOXGLOVE.—We have a good stock of B.P. leaf and we expect we shall have sufficient to meet the demand. HEMLOCK.—The demand for this is falling but we have an excellent crop on the farm. HENBANE.—The first biennial is growing exceptionally well and there should be a heavy crop in the autumn. We have started cutting the second biennial about a fortnight later than usual; it is a light crop. LAVENDER.—The plantations looked in poor condition in May after severe weather but are now growing well and there should be a good crop. Last autumn's plants are growing well and were undamaged by weather conditions during the winter. LETTUCE.—We have a small acreage under cultivation. PEPPERMINT.—We have a large acreage under cultivation. The plantations now look very promising but weather conditions during August have a marked influence on the yield of oil. POPPY HEADS.—It is early in the season to give an opinion of this crop but the plants are making good progress. POPPY PETALS.—We recently began collection. We are finding it increasingly difficult to obtain supplies due partly to new methods of weed control. RHUBARB is growing well and there should be adequate supplies when the root is dug in the autumn. We have also small plantations of ACONITE, GORSE, ROSEMARY, STRAMONIUM, SQUIRTING CUCUMBER and VALERIAN which all show normal growth.

Joseph Flemons & Sons, Ltd. — During the coming season we are expecting to be able to organise the collection of considerable quantities of a large variety of wild medicinal herbs for drying and preparing for the trade. Growth of all vegetation had a late start, and the season is still backward particularly in the north. ELDER FLOWERS and POPPIES are about a fortnight later than usual in blooming, and the collection period may be rather shorter than normal. It is rather more difficult this year to foretell the prospects of supplies, but we expect normal quantities of the following:—

AVENS; BRYONY ROOT; BITTERSWEET; BURDOCK HERB; CARROT, WILD; COLTSFOOT; COMFREY; CONIUM; COUCHGRASS; DANDELION LEAVES; DIGITALIS (*Purpurea*); DOCK ROOTS; ELDER FLOWERS, LEAVES and BERRIES; FIGWORT (WATER BETONY); GROUNDIVY; HIPS, ROSE; HOREHOUND, BLACK; HORSERADISH ROOT; HORSETAIL; KNAPWEED; MALEFERN ROOT; MALLOW, BLUE; MARJORAM, WILD; MAYWEED MEADOWSWEET; MELILOT; MINT, WATER; MISTLETOE; MOUSEAR; MUGWORT; NETTLES; PILEWORT PLANTAIN; RAGWORT; RASPBERRY LEAVES; SAGEWOOD; SCABIOUS; SILVERWEED; SOWTHISTLE; SPEEDWELL; ST. JOHN'S WORT; TANSY; THYME, WILD TOADFLAX; WOUNDWORT; YELLOW BEDSTRAW YARROW.

Herbs which are more difficult to obtain in quantity include the following:—

AGRIMONY; CENTUARY, RED; COLCHICUM CORM and SEED; COWSLIP FLOWERS; EYEBRIGHT; FEVERFEW; HEARTSEASE; PARSLEY PIERT; SANICLE; SCULLCAP; SELFHEAL; SHEPHERD'S PURSE; VIOLET LEAVES WORMWOOD; WOOD BETONY.

HAWTHORN BERRIES and CLIVERS are likely to be scarce this year and DANDE

LION ROOT supplies are limited. For many years we have supplied considerable quantities of fresh sifted ELDER FLOWERS, but the use of these in this form seems to be gradually dying out. The flowers, however, seem still to be used in the dried state, and in the "fresh" state, preserved in salt.

Stafford Allen & Sons, Ltd.—The very wet weather earlier in the year made the crops somewhat later than usual. However, the recent fine spell has improved matters considerably and we expect to have our usual heavy crops.

BELLADONNA.—We recently completed our first cutting of good quality green leaf but the crop will be light and there will be hardly enough to meet requirements. CHAMOMILE.—We expect to have a good crop of flowers for distilling. CLARY SAGE.—Although later than usual, the crop is looking extremely well and should provide us with plenty of good quality oil. DILL.—This is quite a good crop and there should be an average yield of oil. DIGITALIS PURPUREA.—The wet weather has been suitable and we have every hope of a bumper crop. It is looking better than it has done for many years. HENBANE.—We have completed a cutting of good quality second-year herb and the first year will soon be ready also. LAVENDER.—There should be a good yield of oil. PARSLEY.—This is coming along well and should prove up to average. PEPPERMINT.—We have increased our acreage and the new beds are consolidating well. We are hopeful of a good quantity of first-class English distilled oil. POPPY PETALS.—The now established custom of spraying crops is making it more difficult to obtain supplies but we expect to make a fair collection. WILD LETTUCE.—Unaccountably this crop is not growing as well as normally and supplies, if any, will be limited. VIOLA PETALS.—A good crop is expected.

Potter & Clarke, Ltd.—The extremely wet weather in the spring resulted in ploughing being delayed and some of the cultivated herbs being correspondingly late. At the same time cold winds and lack of sunshine made wild plants later than usual and some of the very early varieties gave poor results. However, with the warmer weather in June, the early rainfall has proved to be an advantage and most crops now look normal, if a little late.

We expect average yields of MARIGOLD FLOWERS, COUCHGRASS, ANGELICA SEED and ROOT, OAK BARK, MISTLETOE, CONIUM HERB and SEED, BURDOCK ROOT, CHERRY LAUREL LEAVES, WILLOW BARK, COLTSFOOT LEAVES, and ELDER LEAVES.

It seems likely that we shall obtain above average crops of MARSHMALLOW ROOT and LEAVES, BRYONY ROOT, DIGITALIS LEAVES, PILEWORT, BITTERSWEET, THYME, BROOM, COMFREY ROOT and LEAVES, and RASPBERRY LEAVES.

Unless improvements take place late in the season we fear that poor quantities will be obtained of WORMWOOD, HORSERADISH ROOT, WHITE HOREHOUND, RUE, DANDELION ROOT, SCULLCAP, SPEARMINT, BELLADONNA ROOT and LEAVES, and ELDER FLOWERS. The belladonna would improve with rainfall, and the appearance of the elder flowers may be due to late flowering.

WORLD TRADE

Norway to Export Soap.—Fifty-six tons of soft soap and toilet soap have been ordered in Norway by the American authorities in South Korea for distribution to civilians and hospitals.

Italo-Portuguese Trade.—Portugal and Italy have initialled a one-year additional protocol to commercial agreement existing between the two countries. The protocol provides that Italy will supply to Portugal chemical and pharmaceutical products and other commodities.

Austro-Belgian Agreement Framed.—A trade agreement between Belgium and Austria, awaiting signature, provides for Belgium-Luxembourg exports of a total value of some 900 million Belgian francs to Austria. Austrian exports to Belgium-Luxembourg stipulated in the agreement total only about half that amount. Belgian export quotas under the agreement include the following (in millions of Belgian francs): Chemical and pharmaceutical products, 40; photographic and cinematographic products, 15.

Record Swiss Chemical Exports.—Swiss exports of chemicals and pharmaceutical products in the first four months of 1951 reached all-time record figures. Exports of pharmaceutical products rose to 94,400,000 francs in January-April 1951 from 65,400,000 in the corresponding period of 1950. In the same periods, exports of perfumery products rose from 6,800,000 to 15,200,000 francs. The foremost buyers of pharmaceuticals included Turkey, Belgium, Italy, Egypt, Pakistan, Venezuela, Brazil and Iran. Swiss perfumes went mainly to France, Italy, Britain, U.S.A., Sweden, Germany and Spain.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, July 25

THERE have been a few upward price movements in the PHARMACEUTICAL and FINE CHEMICALS market during the week. PHENOLPHTHALEIN has been increased by an amount ranging from 1s. 9d. to 2s. 9d. per lb. according to quantity. CAFFEINE, THEOBROMINE and their SALTS have also advanced—the alkaloids by 2s. 6d. per lb., and the salts by 1s. 6d. (calcium salicylate, 2s. 9d.). CAFFEINE CITRATE, B.P.C., is now 26s. 6d. per lb. in 1-cwt. lots, and THEOBROMINE ALKALOID, 46s. 6d. per lb. for similar quantities. New schedules for CALAMINE and ZINC CARBONATE show an all-round increase of fourpence per lb. The CRUDE DRUGS market continues very quiet with few price changes. Prime Cape ALOES is nominal at 230s. to 235s., c.i.f. Any parcels of Alexandria SENNA PODS that arrived were quickly disposed of. Most of the pods are still awaiting shipment from origin, the cargo having to make way for cotton, which has highest priority for space. Shensi RHUBARB is now available in better quantities. Turkish LIQUORICE JUICE is slightly firmer with quotations from 170s. per cwt., duty paid. There has been little inquiry for ESSENTIAL and EXPRESSED OILS except for those in short supply. All ROSE oils continue scarce. EUCALYPTUS on the spot is hard to find and there are no forward offers from origin. No July allocation of BERGAMOT has been announced so far; thus for two consecutive months supplies have been lacking.

Exchange Rates on London

Rates at the opening on Wednesday morning were:—

Centre	Quoted	Rate
*Alexandria ...	Piastres to £	97¼—97⅜
Amsterdam ...	Florins to £	10.63—10.70
*Bombay	Shillings to rupee	1/5 15/16—1/6 1/16
Brussels	Francs to £	139.90—140.10
Copenhagen ...	Kroner to £	19.32—19.36
Dutch West Indies	Florins to £	5.27½—5.29
*Hong Kong ...	Shillings to $	1/2 11/16—1/3 3/32
*Israel	£I to £	99¾—100¼
*Karachi	Shillings to rupee	2/1 27/32—2/1 11/16
Lisbon	Escudos to £	80.35—80.75
*Montreal T.T. ...	Dollars to £	2.96½—2.96⅝
New York T.T. ...	Dollars to £	2.79⅜—2.80⅛
New York M.T. ...	Dollars to £	2.79⅞—2.80¼
Oslo	Kroner to £	19.98—20.02
Paris	Francs to £	979—981
*Singapore ...	Shillings to $	2/4 3/32—2/4 3/32
Stockholm ...	Kroner to £	14.47—14.50
*Teheran	Rials to £	89.40—91.00
Zurich	Francs to £	12.23—12.26

*Free market rates; remainder Bank of England.

U.S. Drug and Chemical Report

New York, July 20

CRUDE DRUGS have mostly become weaker during the past few days, with buying rather quiet. Prices of imported botanical drugs have, however, remained firm possibly because dealers are holding off the market until some action by the Office of Price Stabilisation on the question of price relief becomes known. The price of CARNAUBA WAX has fallen further on only fair buying support. Further declines have occurred in the price of MENTHOL. Demand for IPECACUANHA, PAPAIN, TAMARINDS, QUILLAIA BARK and SERPENTARIA has been sufficient to keep quotations firm. Trade in CASCARA BARK is slow, but there has been a little export inquiry. Little interest has been shown in Spanish SAFFRON and prices have fallen. In ESSENTIAL OILS, too, the trend of prices is downward. PEPPERMINT OIL has, however, developed a firmer undertone and also Formosan CITRONELLA OIL for shipment. CITRUS OILS are firm, and good business is being done in AROMATIC CHEMICALS.

Pharmaceutical Chemicals

AMIDOPYRIN. — In 1-cwt. lots price is from 32s. 6d. to 35s. per lb.

CAFFEINE.—Increased prices. Rates (per lb.) are as follows:—

	1 cwt.		28 lb.		7 lb.	
	s.	d.	s.	d.	s.	d.
ALKALOID, B.P. ...	45	0	46	0	48	0
ALKALOID ANHYDROUS	46	6	47	6	49	6
CITRATE, B.P.C. ...	26	6	27	6	29	6
and SODIUM BENZOATE, B.P. ...	27	6	28	6	30	6
and SODIUM SALICYLATE, B.P.C.	28	9	29	9	31	9
and SODIUM IODIDE .	35	3	36	3	38	3

CALAMINE. — 1-cwt. lots are now 3s. per lb.

NICOTINIC ACID. — 56-lb. lots., 46s. 6d. per lb.; 28-lb., 47s. 9d.; 7-lb., 52s. 9d. per lb.

PHENOLPHTHALEIN. — Increased rates from August 1 are as follows:—1-cwt. lots, 11s. 10d. per lb.; 28-lb., 12s. 2d.; 14-lb., 12s. 6d.; 7-lb., 13s.

PHENYLACETIC ACID. — 1-cwt. lots are quoted at 5s. per lb.; smalls, up to 5s. 9d

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.; the base is available at the same price

PHOSPHORIC ACID.—B.P. is 1s. 4½d. per lb. in 1-2 carboy lots. HYPOPHOSPHOROUS B.P.C., in winchesters, is from 5s. 7½d. to 6s. 9d. per lb., as to quantity.

PIPERAZINE. — French material is offered at from 105s. to 115s. per kilo.

POTASSIUM BROMATE.—In 5-cwt. lots, 7s. per lb. Small quantities prices range up to 8s. 9d. per lb.

POTASSIUM NITRATE. — Pharmacopœial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

PROCAINE HYDROCHLORIDE. — 1-cwt. lots are 45s.; 28-lb., 47s. 6d.; 7-lb., 49s.

SACCHARINE.—In lots of 1-lb. and over B.P. powder is quoted at 98s. 4d. per lb.; the SODIUM SALT is 79s. 4d. per lb. Prices include duty and carriage.

THEOBROMINE. — Prices have been increased and are now as follows (per lb.) :—

	1 cwt.		28 lb.		7 lb.	
	s.	*d.*	*s.*	*d.*	*s.*	*d.*
ALKALOID, B.P.C.	46	6	47	6	48	6
and CALCIUM SALICYLATE ...	30	6	31	6	32	6
and SODIUM SALICYLATE ...	28	9	29	9	30	9
and SODIUM BENZOATE ...	27	6	28	6	29	6

Crude Drugs

ACONITE.—Spanish *napellus* is nominally 3s. 9d. per lb., duty paid.

AGAR.—Steady. Kobé No. 1 on the spot is quoted at from 9s. per lb., duty paid.

ALOES.—Cape prime is nominal at from 230s. to 235s., c.i.f. No offers of Curaçao.

BENZOIN.—Quiet. No. 1 Sumatra block on the spot is quoted at £28 per cwt.; for shipment, £26, c.i.f. Siam free almonds (medium) are offered at 37s. 6d. per lb., ex warehouse.

BISMUTH. — In minimum 5-cwt. lots METAL is now 25s. 9d. per lb.

CAMPHOR.—Steady Chinese (B.P.) powder on the spot is from 5s. 3d. per lb., in bond; ¼-oz. tablets on the spot are from 7s. 3d. per lb., duty paid.

CASCARA SAGRADA. — New-peel American bark (August-September shipment) is 310s., landed, duty paid. Old bark on spot is quoted at 325s. per cwt., duty paid.

CHERRY BARK.—Thin cut natural is quoted at 2s. 3d. and rossed at 2s. 6d. per lb., duty paid, ex warehouse London.

CHILLIES.—West African on the spot are quoted at 270s. per cwt. East African (Mombasa), 345s. to 350s., ex warehouse.

CLOVES.—Zanzibar on spot, quoted at 3s. 11d. per lb.; for shipment, 3s. 6½d., c.i.f. Madagascar is nominally 3s. 6d. per lb., spot, in bond; forward, 3s. 3d. per lb., c.i.f. New-crop, September-October shipment, 3s. 3d. per lb., c.i.f.

ERGOT. — Business is reported done in Portuguese new-crop at 40s. per lb., c.i.f., for August-September shipment.

ELEMI.—Steady. No. 1 on the spot is offered at 3s. 6d. per lb.

EUPHORBIA.—Supplies of the herb are quoted at 75s. per cwt.

GALANGAL ROOT.—A firm market. Parcel for July-August shipment from Hong Kong is quoted at 90s. per cwt., c.i.f.

GAMBOGE.—Siam pipe is £45 per cwt., duty paid, spot London.

GENTIAN.—French on spot is quoted at 130s. to 135s. per cwt.; for shipment, 120s., c.i.f.

GINGER.—African on the spot is 290s. per cwt.; for shipment, 280s., c.i.f. Jamaican, No. 2, 510s. per cwt. and No. 3, 500s., spot; new-crop for shipment, No. 3, 480s., c.i.f.

GUAIACUM RESIN. — Spot quotations are in the region of 3s. 3d. per lb.

GUM ACACIA.—Kordofan cleaned sorts on spot, quoted at 132s. 6d. per cwt.; resellers, 118s., c.i.f.; from the origin, 119s., c.i.f., quoted.

HENNA.—Sudan is 102s. 6d. per cwt. on the spot.

IPECACUANHA. — Easier. Colombian is quoted at 53s. per lb., c.i.f., July-August shipment. No offers of Nicaraguan from source.

LIQUORICE.—Steady. Anatolian natural whole root on spot in London is quoted at from 52s. 6d. to 55s. per cwt.; Syrian natural from 45s. to 47s. 6d. per cwt. Turkish block juice quotations are from 170s. upwards, according to holder, duty paid. Turkish stick is 240s. per cwt., duty paid. Italian stick, 240s. to 475s. per cwt., duty paid.

MALE FERN.—Jugo-Slavian on the spot, is 55s. per cwt.; for shipment, 47s., c.i.f.

MENTHOL.—Chinese on the spot is from 85s. 6d. per lb., duty paid. Brazilian, on the spot is from 84s. 6d. per lb., duty paid.

PAPAIN.—East African No. 1 white on spot is quoted at from 35s. to 38s. per lb.; Ceylon sun-dried on spot is 31s. per lb.

PERU BALSAM.—Very limited supplies on spot and nominal at 21s. per lb.; for shipment from the origin, 16s. to 17s., c.i.f., is quoted.

QUASSIA.—Chips on the spot are offered at 35s. per cwt.; for shipment, 28s., c.i.f.

QUILLAIA.—Whole bark on spot is 160s. to 165s. per cwt.; for shipment, 145s., c.i.f. Cut bark is offered at 190s. per cwt., ex warehouse.

QUINCE SEED. — Cape on the spot are quoted at 3s. 6d. per lb.

RHUBARB.—Double Deer No. 1 is offered at 10s. per lb., duty paid (9s. 3d. in bond), with other grades of good quality Chinese rough round at from 7s. to 9s. per lb., duty paid. Shensi, medium-bold, 12s. 6d. per lb., in bond.

SEEDS. — The ANISE market is unchanged: Cyprus, 162s. 6d. per cwt.; Turkish, 150s. per cwt., in bond (160s., duty paid), all spot London. CARAWAY.—Dutch are dull at 135s. per cwt., duty paid in London. CELERY.—Indian is quiet with sellers at 1s. 10½d. per lb., spot London. CORIANDER.—Morocco new-crop on spot is offered at 125s. per cwt., duty paid. Indian is offered freely at 130s. per cwt., spot London. CUMIN.—Spot, Cyprus is 240s. to 245s. per cwt. and Indian is offered at 240s. DILL.—Indian in poor demand at 80s. per cwt., spot London. FENNEL.—Indian is unchanged at 140s. per cwt., spot London. FENUGREEK.—Spot, Morocco is now offered at 47s. 6d. per cwt., duty paid in London or Liverpool.

SENEGA. — Quiet. New-crop is from 14s. 3d. to 14s. 9d. per lb., c.i.f.

SHELLAC.—Steady. Spot quotations are: F.O.T.N., pure, 360s.; F.O. Standard 1, 370s. and fine orange, 400s. to 485s. per cwt., ex-London warehouse.

STROPHANTHUS.—*Kombé*, 100 per cent. is quoted at 21s. per lb. on the spot.

STYRAX.—Spot is from 9s. per lb., duty paid, and 8s. 3d. in bond.

TAMARINDS.—Calcutta on spot is 70s. (10 per cent. stones) and 72s. (5 per cent.) per cwt. Calcutta for shipment are quoted at 63s. to 65s. per cwt., c.i.f., with a 10 per cent. and 5 per cent. stone content, respectively.

TOLU BALSAM. — Natural on spot is 45s. 6d. per lb., and B.P., from 35s. to 37s. 6d. per lb. Natural from the origin is quoted at 42s. 6d., c.i.f.

TONKA BEANS.—Firm. Frosted Parà are quoted at 6s. 9d. per lb., and Trinidad are 7s., ex warehouse.

TRAGACANTH.—Quiet. No. 1 ribbon on the spot is £195 per cwt.; No. 2, £170; No. 3, £145.

TURMERIC.—Madras finger is offered at 102s. 6d. per cwt., spot London.

VALERIAN.—Belgian on the spot is quoted at 182s. 6d. per cwt., spot. Indian is 160s. per cwt., spot; for shipment, 160s., c.i.f., quoted.

WAXES.—BEES'.—Dar-es-Salaam on the spot is 600s. per cwt., nominal; July-August shipment 550s., c.i.f. Benguella on the spot is 600s., duty paid; August-September shipment, 570s., c.i.f. CANDELILLA.—Spot supplies are offered at 625s. per cwt.; shipment, 615s., c.i.f. CARNAUBA.—Prime yellow, spot, 1,080s. per cwt.; shipment, 985s., c.i.f. Fatty grey, spot, 960s. per cwt.; shipment, 920s., c.i.f. MONTAN.—Reibeck crude on the spot is 135s. per cwt. OURICURI.—Prices are unchanged: 1.9 per cent., 895s. per cwt., spot; 1.3 per cent., 915s., with forward quotations lower.

WITCH HAZEL.—Leaves on the spot are quoted at 2s. 9d. per lb. and bark at 1s. 6d.

Essential and Expressed Oils

BERGAMOT. — Supplies remain difficult. Nominal spot quotation is 80s. per lb.

BOIS DE ROSE.—Brazilian on the spot is from 38s. to 39s. per lb., as to quantity.

CINNAMON.—B.P. oil on the spot is quoted at from 67s. 6d. to 70s. per lb. English bark oil is offered at 21s. to 24s. per oz. Ceylon leaf, 16s. 6d. per lb., spot, nominal; for shipment, 12s. 9d., c.i.f.

CITRONELLA.—Little demand. Ceylon is quoted at from 12s. 6d. per lb., spot; for July-August shipment, 11s., c.i.f. Java on spot is quoted at 12s. 6d. per lb.; for shipment, 10s., c.i.f. Formosa on spot, 11s. 6d. and for shipment 9s., c.i.f.

EUCALYPTUS.—Very scarce. 70 to 75 per cent. eucalyptol is nominal at 8s., c.i.f.

LAVANDIN.—Spot quotations are in the region of 28s. 6d. to 30s. per lb., according to quantity.

LAVENDER.—French, 38-40 per cent. linalol, on the spot is quoted at 48s. 6d. per lb.; 40-42 per cent., 56s. "Mitcham" oil is about 130s. Spanish spike is from 26s. 6d. to 28s. per lb., on the spot.

LEMONGRASS.—Spot quotations are from 23s. 6d. per lb.; July-August shipment from 19s. to 21s. 6d., c.i.f.

LIME.—Very scarce on spot. West Indian distilled is about 70s. per lb., nominal.

OTTO OF ROSE.—Scarce. Turkish, 400s per oz., spot, nominal.

PALMAROSA.—Spot quotations are nominally from 55s. to 57s. 6d. per lb.

PATCHOULI. — Singapore is offering on the spot at 84s. and Seychelles at 85s per lb.

PETITGRAIN. — Paraguay is offered at from 35s. to 37s. 6d., spot.

PIMENTO BERRY. — English-distilled oil 85s. per lb. Imported oil is from 45s. to 47s. 6d. per lb., spot.

PINE.—*Pumilionis* on the spot is quoted at from 18s. to 20s. per lb.; *sylvestris* is at about 16s. per lb., and Siberian (abietis) is about 24s. 6d. per lb.

ROSEMARY. — Spanish on the spot is 9s. per lb., duty paid; new-crop to come forward, 8s. 3d., landed, duty paid.

SAGE.—Spanish, 11s. per lb., spot.

SANDALWOOD. — Mysore oil on spot is from 82s. to 85s. per lb. East Indian Dutch-distilled (95 per cent. santalol) 105s. per lb., duty paid. West Indian is available at 25s. per lb., spot. English distilled, 90s. per lb.

SASSAFRAS.—Brazilian natural is offering at from 6s. 6d. to 7s. 6d. per lb., duty paid, spot, according to grade.

SPEARMINT.—Spot quotations are from 55s. to 58s. 6d. per lb., duty paid.

VETIVERT.—Bourbon is nominal at 250 per lb., spot.

Synthetics and Isolates

Quotations are per lb. and vary according to quantity, grade and seller.

Acetophenone, pure.—6s. to 8s. Amyl acetate.—4s. 3d. to 5s. (B.S.S., 334s. per cwt.). Amyl benzoate.—5s. 6d. to 6s. 6d. Amyl butyrate.—6s. 3d. Amyl phenylacetate.—11s. to 13s. Amyl salicylate.—5s. 3d. to 6s. 6d. Amyl cinnamic aldehyde.—16s. 6d. to 18s. Anethole.—23s. to 25s. Anisic alcohol.—67s. 6d. to 80s. Anisic aldehyde.—Ex paracresol, 21s. to 23s.; perfumery grade, 45s. to 47s. 6d.

Benzaldehyde.—3s. 6d. to 4s. 6d. Benzophenone.—9s. 6d. to 11s. Benzyl alcohol.—Perfumers', 3s. 3d. to 4s. 6d. Benzyl acetate.—3s. 9d. to 5s. Benzyl benzoate.—Perfumers', 4s. 9d. to 6s. Benzyl cinnamate.—12s. 6d. to 14s. Benzyl isoeugenol.—92s. 6d. to 95s. Benzyl propionate.—7s. to 9s. Benzyl salicylate.—8s. to 12s. Benzyl succinate.—17s. 6d. Benzylidene acetone.—18s. to 20s. Borneol.—Recrystallised, 9s. to 12s. Bornyl acetate.—5s. to 6s. Bromstyrol.—60s. Butyric acid.—5s. to 6s.

Cinnamic alcohol.—17s. to 20s. Cinnamic aldehyde.—Synthetic, 6s. 9d. to 8s. Cinnamyl acetate.—40s. to 45s. Cinnamyl butyrate.—40s. to 45s. Citral.—60s. to 80s. Citronellal.—55s. to 60s. Citronellol.—Ex Ceylon, 87s. 6d. to 90s.; ex Java, 52s. 6d. to 55s.

Diethyl phthalate.—3s. to 4s. Diphenyl methane.—6s. 6d. to 7s. 6d. Diphenyl oxide.—6s. 6d. to 7s. Ethyl benzoate.—5s. to 6s. 6d.

Ethyl butyrate.—6s. to 7s. Ethyl salicylate.—5s. to 6s. 6d. Ethyl vanillin.—51s. Eugenol.—45s. to 40s. Geraniol.—Ex Ceylon, 45s.; ex Java, 50s. to 55s.; ex Palmarosa, 85s. to 105s. Geranyl acetate.—Ex Java, 50s. to 55s.

Heliotropine.—25s. to 30s. Hydroxycitronellal.—Perfumers', 85s. to 90s. Indole.—Per oz., 9s. to 15s. Ionone.—100 per cent., 115s. to 125s. Isobutyl acetate.—4s. to 6s. Isobutyl benzoate.—6s. 3d. to 7s. 6d. Isobutyl salicylate.—6s. 6d. to 8s. 6d. Isoeugenol.—42s. 6d. to 45s.

Linalol.—67s. 6d. to 70s. Linalyl acetate.—85s. to 80s. Methyl acetophenone.—12s. 6d. to 15s. Methyl anthranilate.—17s. 6d. to 20s. Methyl benzoate.—5s. to 6s. Methyl cinnamate.—13s. to 14s. Methyl phenylacetate.—8s. 10s. Methyl heptyl ketone.—36s. Methyl nonone.—120s. to 125s. Musk ambrette.—58s. to 65s. 6d. Musk xylol.—9s. 6d. to 12s. Mustard oil (art.).—11s. 6d. to 15s. Musk ketone.—60s. to 62s. 6d.

Nerolin bromelia.—16s. to 20s. Nerolin yara yara.—9s. to 10s. 6d. Paracresyl acetate.—9s. 6d. to 11s. Paracresyl phenylacetate.—11s. to 12s. 6d. Phenylacetaldehyde.—52s. 6d. to 65s. Phenylacetic acid.—Recrystallised, 9s. to 11s. Phenylethyl alcohol.—24s. to 27s. 6d. Phenylpropyl alcohol.—25s.

Rhodinol.—380s. Safrol.—11s. to 13s. Santalol.—165s., nominal. Terpineol.—Perfumers', 5s. 5s. 6d. Terpinyl acetate.—9s. to 11s. 6d. Vetirol.—489s. to 580s. Vetiveryl acetate.—539s. 630s.

ZANZIBAR CLOVES

The Zanzibar Clove Growers' Association has issued a market review for the quarter ended March 31 covering the third quarter of the seasonal year 1950-1951. Picking of the *vuli* clove crop was virtually completed by the end of January. The size of the crop exceeded earlier expectations and was estimated to provide a total of 1,300,000 frasilas. (Estimates which cannot be substantiated, vary between 200,000 and 400,000 frasilas as a possible *mwaka* crop, available for picking in August. It might be wise, the review states, to assume the lower figure as a possibility). The central market had again to deal with heavy supplies during the quarter. The period was responsible for 14,342,548 lb., thus bringing the total for the nine months commencing July 1, 1950, to 42,064,330 lb., or some 1,201,838 frasilas. Of this total Pemba supplied 36,652,780 lb., or 1,047,222 frasilas. Further supplies were expected to come forward, principally from Pemba, where holdings were variously estimated at between 50,000 and 100,000 frasilas.

Prices Nominal

The Association's buying and selling prices for the quarter remained unchanged. The Association's selling prices (per 100 lb., ex bulk, ex duty) to exporters only, usual contract, as from July 1, 1950, until further notice, are as follows: Grade I, Shs. 114.50; Grade II, Shs. 112.50; Grade III, Shs. 109.50. (The terms of the Minimum Percentage of Exported Cloves Order, 1950, define a nil contribution to exports by the Association. The selling prices are therefore purely nominal).

During the quarter, prices for fair quality cloves in the open market were almost continually on the upward move, and at one time, March 2, touched the unprecedented figure of Shs. 408 per 100 lb., but towards the end of March there was a sharp fall and by March 31 the figure stood at Shs. 310 with little business offering. Lack of shipping facilities probably accounted for this. The average price was Shs. 287.80 per 100 lb. ex duty for fair quality cloves sold in the open market.

During the quarter exports totalled 67,254 bales (9,415,790 lb.), of which 1,352 bales (189,280 lb.) were shipped to the United Kingdom. Clove stem oil, totalling 97,059 lb., was exported, the United Kingdom receiving 81,540 lb.

TRADE MARKS

(From the "Trade Marks Journal," July 11)

For photographic roll-films (1).
TOUCHSTONE, 690,296, by West London Photographic Co., London, S.W.6.

For agricultural and horticultural chemicals (1).
FILCOAT, 697,385, by Filtrol Corporation, Los Angeles.

For common soap and detergents (3).
JUSTEX, 690,473, by Theodore St. Just & Co., Ltd., Manchester.

For non-medicated toilet preparations (3).
RH, B697,142, by Richard Hudnut, Ltd., London, W.4. BLUE HAZE, 698,625, by British Glues and Chemicals, Ltd., Welwyn Garden City.

For bicarbonate or soda, powdered borax, Epsom salts, seidlitz powders, and cod-liver oil (5).
MORTON, on label device, 652,319, by C. & E. Morton, Ltd., London, E.C.3.

For pharmaceutical preparations and medicated lozenges (5).
VICK, 660,391, by Vick Chemical Co., Delaware.

For antibiotic pharmaceutical preparations (5).
SOBIO, 680,890, by Etat Français Centre National de la Penicilline, Paris.

For pharmaceutical preparations for human and veterinary use. (5).
LEDERLE, 692,547, by American Cyanamid Co., New York.

For medicinal preparations for the treatment of stomach ulcers (5).
DE-NOL, 693,192, by De-Nol Laboratories (South Africa) (Proprietary), Ltd., Johannesburg.

For surgical ligatures (5).
ATRALOC, 694,359, by Ethicon Suture Laboratories, Inc., New Jersey.

For all goods, excluding confectionery or infants' and invalids' foods (5).
PAFCO, 695,062, by Pressure Aerosols Filling, Co., Ltd., Berkhamsted.

For medicated preparations for the treatment of fungus diseases of the feet and legs.
PEDEVAN, 696,780, by Evans Medical Supplies, Ltd., Liverpool.

For fumigating preparations (5).
BLADAFUM, 697,682, by Farbenfabriken Bayer, Leverkusen.

For preparations for destroying rodents (5).
MORTALIN, 697,759, by Akts Mortalin, Denmark.

For deodorants (5).
DUSE, 697,802, by Roberts Pharmaceutical Laboratories, Ltd., London, W.1.

For pharmaceutical products for human and veterinary use, medical and surgical dressings, and disinfectants (5).
MULTERGAN, 697,957, by Société des Usines Chimiques Rhône-Poulenc, Paris.

For pharmaceutical preparations for veterinary use (5).
FYDAL, 698,069, by Boots Pure Drug Co., Ltd., Nottingham.

PRINT AND PUBLICITY

Products Linked in Press Campaign. — A new Press campaign launched by Johnson & Johnson (Gt. Britain), Ltd., Slough, links Johnson's baby powder with Band-Aid adhesive dressings. The campaign is directed primarily to the mothers of young children, the most frequent purchasers of

adhesive dressings. The advertisements are appearing in the national dailies and weeklies and women's monthly and weekly magazines throughout the season. Showcards and display boxes repeat the theme, and throughout the country the company's window-dressing staff are installing three-panel displays. A special 5 per cent. bonus offer closes on July 31.

Advertising On The Screen.—A Technicolor film advertising Optrex eye lotion is being shown by Keldon, Ltd., Perivale, Middlesex, in 400 cinemas in 132 towns in Britain during the summer.

Beauty Advice in Verse.—The Burlton Institute, 30 Manchester Street, London, W.1, has published a brochure "Look to Your Looks," giving hints in rhyming couplets on the care of feminine appearance.

Rubber Chemistry and Physics.—The British Rubber Producers Research Association, 48 Tewin Road, Welwyn Garden City, Herts, have recently published their publications Nos. 140 ("An Analysis of the Isomeric Composition of Bromocyclohydromyrcene" and "Dehydrobromination Experiments with Bromodihydromyrcene"); 141 ("Radical Mechanisms in Saturated and Olefin Systems"); 142 ("The Reaction of Olefins with Sulphur and with Hydrogen Sulphide"); 143 ("Dielectric Relaxation of Natural Rubber Vulcanisates"); 144 ("Volume Changes in the Stretching of Vulcanised Natural Rubber") and 145 ("Conjugation in Sulphones").

COMING EVENTS

Wednesday, August 1

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. Visit to penicillin factory of Distillers Co. (Biochemicals), Ltd., at Speke. Meet at factory, 2.30 p.m.

unwelcome legacies of summer

athlete's foot | swimmer's itch | dhobie itch

Summer time puts the accent on organized sport and exercise. And wherever there are communal showers, baths and pools, there is the ever present threat of fungus skin infection in one form or another.

Mersagel is designed specifically to combat these distressing conditions. It contains the powerful fungicide, phenylmercuric acetate, in a special water-soluble jelly base. *A colourless* jelly, Mersagel is therefore clean to use—a very powerful sales-point. Moreover, Mersagel does not irritate the normal skin and is suitable for the customer's personal application.

MERSAGEL

Phenylmercuric acetate (1:750) in a water-soluble jelly base
Retail price: 1½ oz. tubes, 2/-

Order Mersagel Parcel No. 1
2 doz. x 1½ oz. tubes £1 - 12 - 0. Retail £2 - 8 - 0

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It is a source of pride to us to know that Eclipsol products have been known and respected in an ever widening circle throughout the world, since we commenced manufacturing this range more than forty years ago.

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Every one of the Eclipsol lines will always—without fail—do whatever is claimed for it.

May we send you full particulars of the complete Eclipsol range?

Manufactured by

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BRISTOL GLOUCESTERSHIRE

COLLUMINA

COMPOUND TABLETS

An effective method of relieving the symptons of hyperchlorhydria and peptic ulceration is provided by the use of Collumina Compound Tablets.

Each tablet contains:

ALUMINIUM HYDROXIDE *(Collumina Brand)* gr. 5 ..... (0·32 grm.)

PHENOBARBITONE gr. ¼ ..... (0·016 grm.)

ATROPINE SULPHATE gr. 1/500 ..... (0·13 mg.)

1 The aluminium hydroxide neutralises excess acid without producing an alkaline condition in the stomach.

2 Phenobarbitone will help to relieve the anxiety tension so often associated with hyperchlorhydria and peptic ulceration.

3 The small dosage of atropine sulphate will moderate excessive motor activity of the gastro-intestinal tract.

PACKAGES: Cartons of 24 and 100. Containers of 500.

EVANS

Further information on request from
Medical Information Dept., Speke, Liverpool, 19
or 50, Bartholomew Close, London, E.C.1

EVANS MEDICAL SUPPLIES LTD LIVERPOOL AND LONDON

308

The PERFECT Toilet Water

An exquisite and refreshing Toilet Water for the sickroom, dispelling unpleasant odours from patient, bed-linen, dressings etc.

Ideal in feverish conditions and for headache.

Equally delightful for everyday use, its pervasive perfume retains its freshness — it never grows stale

eau de K

RETAIL — 5/- incl. tax
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Bourn-vita

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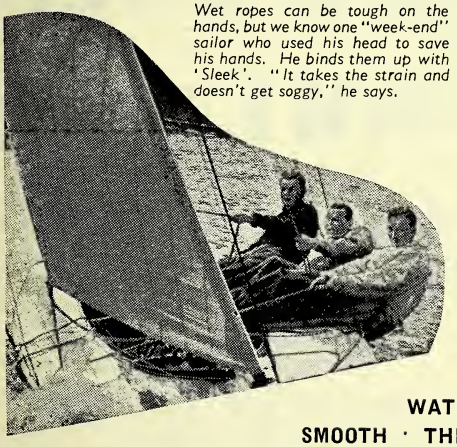

Wet ropes can be tough on the hands, but we know one "week-end" sailor who used his head to save his hands. He binds them up with 'Sleek'. "It takes the strain and doesn't get soggy," he says.

plastic zinc oxide adhesive strapping

Yes, 'Sleek' does get put to some intriguing uses. These unusual jobs lend dramatic emphasis to the unique qualities which make 'Sleek' a best seller of **outstanding value for everyday use in hospital and surgery practice.** Above all, because the plastic base material is impervious to liquids, it is waterproof. 'Sleek' is washable, yet does not soil easily. It is smooth and thin yet very strong. It is extensible and pliable. It does not 'catch' or fray.

to emphasise 8 selling qualities

WATERPROOF · GREASEPROOF · WASHABLE
SMOOTH · THIN · STRONG · PLIABLE · NON-FRAYING

ST.27 **'Sleek' PLASTIC ZINC OXIDE ADHESIVE STRAPPING**

Retail Prices: 2½ YARD ROLLS, 1 inch—1/3; 5 YARD ROLLS, 1 inch—2/-; 2 inch—3/6; 3 inch—5/-, and 4 inch—6/3

HERTS PHARMACEUTICALS LIMITED, Welwyn Garden City, Herts. *Telephone Welwyn Garden 3333*

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Now in a NEW ROLL

A display on your counter brings big results. Let the casual customer see that you sell Moorlands. Attractive publicity material is available on request.

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INDIGESTION TABLETS

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(2/- SIZE AVAILABLE SHORTLY IN NEW PACK)

USUAL GENEROUS DISCOUNTS

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ESŌBAN
Cream of CALAMINE
in a NEW HANDY PACK!

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discount 33⅓% through all C.F. Wholesalers

Indicated for **ACNE, ECZEMA, NAPKIN RASH, SUNBURN, HERPES, ETC.**

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TABLETS and PILLS

of every description

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High Potency

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The New Anti-Epileptic

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Combined attack on tinea pedis

OINTMENT

'MYCIL'

DUSTING POWDER

The combined use of Mycil Ointment and Mycil Dusting Powder provides effective *non-mercurial treatment* for athlete's foot and other fungal infections of the skin.
Mycil Ointment penetrates deeply to the site of infection.
Mycil Dusting Powder protects against reinfection after clinical cure has been effected and is a useful agent with which to combat excessive perspiration.

	Trade	*Retail*
'MYCIL' OINTMENT		
in collapsible metal tubes	*1/6*	*2/9 inc. P.T.*
'MYCIL' DUSTING POWDER	*1/6*	*2/9 inc. P.T.*

Display cartons of 6 Ointment or 6 Dusting Powder are available

Myc/T/9

THE BRITISH DRUG HOUSES LTD. LONDON N.1

A QUALITY FILM AT MODERATE PRICE!

Bauchet

HYPERPAN 32° (120 & 620)—2/9 retail

and HYPERCHROMATIQUE (120 & 620) 2/7 retail

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BASE
ROLL-FILM
Sizes: 120, 620, 127

In damp-proof
ALUMINIUM
CONTAINERS

Of pre-war repute, the BAUCHET ROLL FILM is gaining an ever increasing position amongst the recognised brands. It combines speed with fine grain and colour correction.

Ask also for BAUCHET REVERSAL **CINEFILM** 8, 9·5 and 16 mm.
and BILORA FLASH BOX CAMERAS

AT FULL TRADE DISCOUNTS FROM DISTRIBUTORS

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Elasto

THE BIOCHEMIC TABLET

It Sells on Sight!

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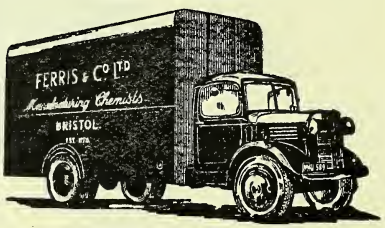
'ELASTO'

CECIL HOUSE · HOLBORN VIADUCT · LONDON



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The House in the West for all Chemists' Supplies

Send us your orders for prompt and careful attention.

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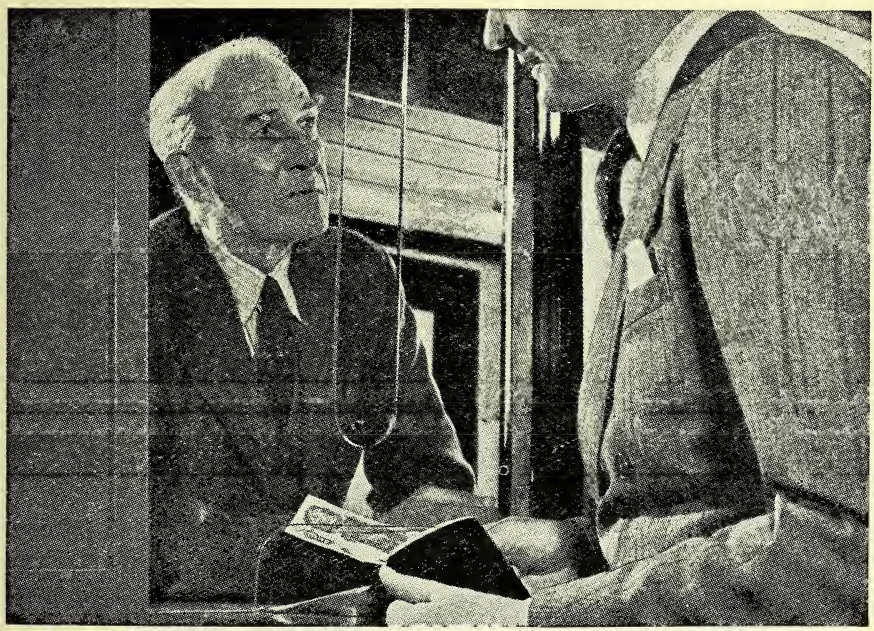


He's working for British Railways but he's booking new business for you!

THIS FESTIVAL YEAR millions of people will head for London by train, bus, ship and plane—amongst them thousands of people who cannot travel without being sick, who will turn to you to give them "something for the journey".

The best "something" you can give them is 'Travikalm'; containing hyoscine and B.V.U., it is the most effective preventive available for all forms of travel sickness. This hyoscine content should always be pointed out to customers (few laymen realise the effectiveness of this drug). Each 'Travikalm' tablet is coated and flavoured so that it can be taken without water, an immense advantage when travelling by bus or car.

With millions of families travelling this summer, your sales of 'Travikalm' promise to be the best since the war. See that you have enough 'Travikalm' to meet this increased demand, and if necessary re-order now.

FACTS ABOUT *'Travikalm'*

FORMULA: **Hyoscine Hydrobromide 1/200 gr. α-Bromo*iso*valerylurea 3 grs.**

PACK: **10-tablet phial, ideal for pocket or handbag, 2/6.**

MAKERS: **Genatosan of Loughborough** (*Owners of the regd. trade mark 'Travikalm'*).

Issued by **GENATOSAN LTD.**

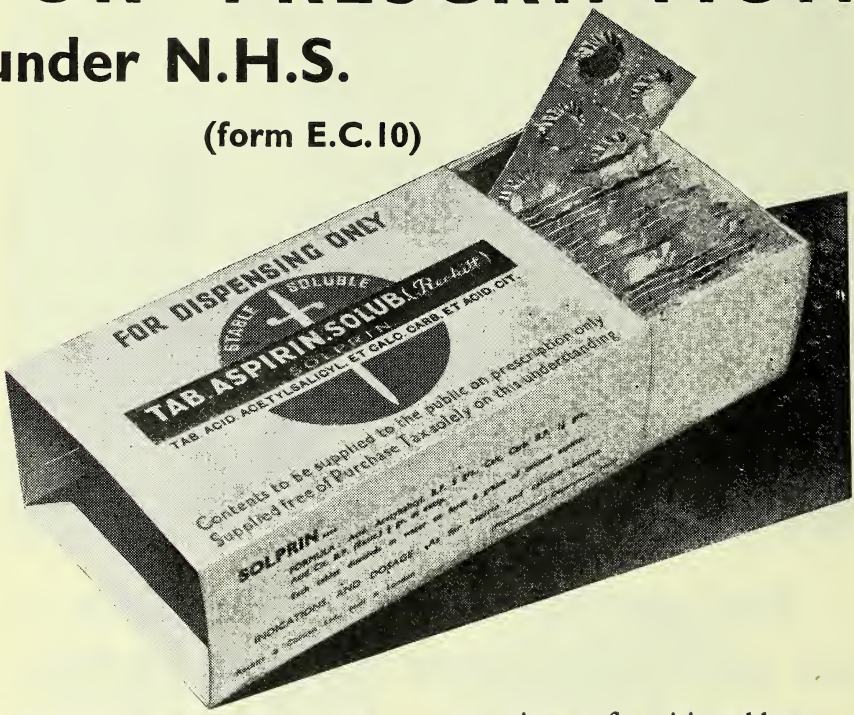
makers of better products for the community you serve

T.70.

'GENASPRIN' * 'SANATOGEN' * 'COGENE' * 'GENATOSAN' CALAMINE LOTION * 'SYTE' EYE LOTION, etc.

FOR PRESCRIPTION under N.H.S.

(form E.C.10)



RECKITT & COLMAN LIMITED announce the introduction of 'Solprin', a soluble aspirin for the dispensing of prescriptions. Solprin is not advertised to the public.

The problem of prescribing calcium aspirin free from decomposition products is solved. Solprin, a stable preparation in tablet form, combines the convenience of aspirin tablets with the therapeutic advantages of pure calcium aspirin. Its analgesic, sedative and anti-rheumatic properties, and the fact that even in large amounts it is unlikely to produce gastric disturbances, have been confirmed over a period in clinical trials carried out in leading hospitals.

The SOLPRIN prescription pack contains 300 tablets, air sealed in foils of 6. Price 7/- per box (free of P.T.)

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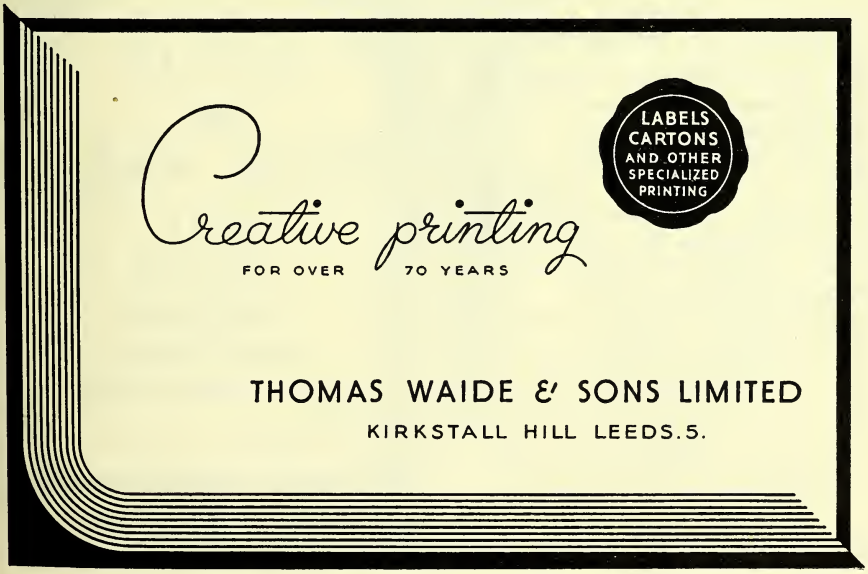
PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS
FOR
CHEMISTS
Manufacturing
Chemists
Head Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)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FOR OVER 70 YEARS
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KIRKSTALL HILL LEEDS.5.

Attractive Effective, Continuous
PRESS & POSTER ADVERTISING

all the time is bringing you new and regular customers for

BILE BEANS & ZAM-BUK

(Ointment and Medicinal Cream)

Re-order ample stocks now, and ask for the new attractive showcards. Buy on best display terms and get the highest possible profit.

Include these other popular lines :—

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P.A.T.A.

C. E. FULFORD LTD., LEEDS, 2

When it's Sundries Think of "Ritchies"!

A few samples from our range:

Arch Supports
Hypodermic Needles (Stainless)
Dressings of all types
Weighing Machines
Ramer Sponges
Spontex Sponges
Pill Boxes
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PILLS
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LOZENGES
SUPPOSITORIES

Quotations on request

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EST. 1899
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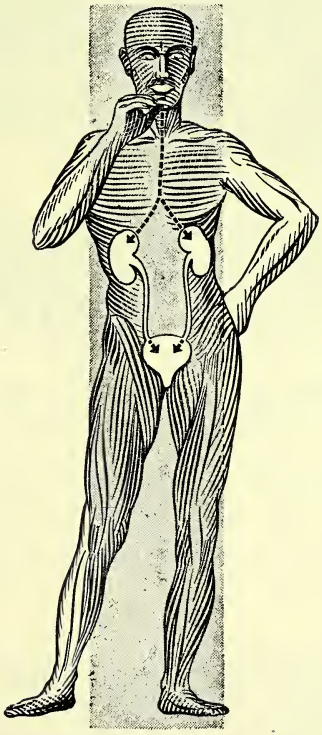
oral therapy

with 'PYRIDIUM' tablets

UROGENITAL ANALGESIA WITHIN TWENTY MINUTES

In most cases of irritation or infection of the urogenital tract, when the symptoms are painful, urgent, scalding micturition, frequency, or strangury, oral therapy with 'Pyridium' gives prompt symptomatic relief. Its characteristic analgesic effect is entirely local; there is no systemic or narcotic action, and in therapeutic dosage, two tablets t.i.d., the administration of 'Pyridium' at any age is entirely safe.



'Pyridium' is the registered trade mark of Nepera Chemical Co., Inc., successor to Pyridium Corporation, to designate its preparation of phenyl-azo-α-α-diamino-pyridine hydrochloride.

Issued in bottles of 25 and 500 tablets.
Trade price 42/9 per dozen 25's
Purchase Tax 14/3
Retail price 5/11 each
Medical literature is available to pharmacists on request.

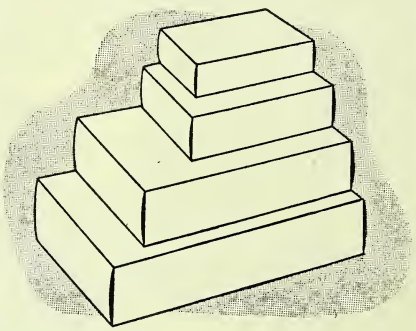
MENLEY & JAMES, LIMITED, 123 COLDHARBOUR LANE, LONDON, S E.5

UAT71

PLAIN PILL CARTONS

In Four Different Sizes

A GOOD REASONABLY-PRICED LINE FOR YOUR DISPENSING



Plain pill and tablet cartons in good quality manilla board

	25s	50s	100s
Per 1,000	**18/-**	**21/-**	**27/-**

Extra large carton for bigger tablets: - - - Per 1,000 **30/-**

Certor CORKS

Standard Quality				*Best Quality*			
No.	oz.	per gross		No.	oz.	per gross	
3		**1/11**	5 gr. bags	3	1	**3/-**	3 gr. bags
4		**2/2**	,,	4	2-4	**3/6**	,,
5	4-6	**2/6**	,,	5	4-6	**3/9**	,,
6	6-8	**2/11**	,,	6	6-8	**4/-**	,,
7	8-10	**3/4**	,,	7	8-10	**4/6**	,,
8	12	**3/10**	3 gr. bags	8	12	**5/-**	,,
9	16	**4/6**	,,	9	16	**6/-**	,,
10	20	**4/11**	,,	10	20	**7/-**	,,

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MEDICINAL
WATER SOLUBLE

These fine quality products are manufactured under strict scientific control and to standardised colour strengths. Samples will gladly be sent on request.

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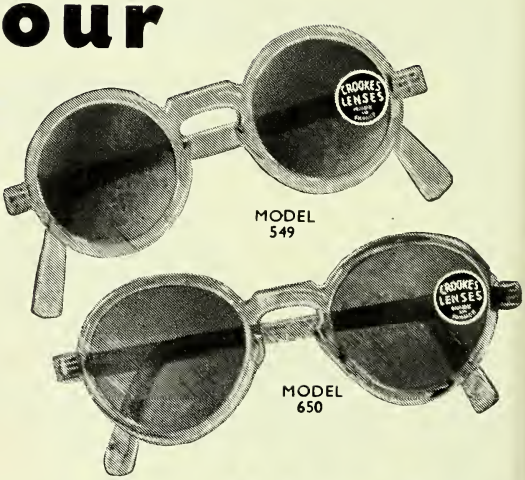
TAS/AL. 408

Order your



TWO QUICK SELLING STYLES !

549. Round shape with Crookes Lenses. Retail Price 1/9

650. Drop eye shape, with Crookes Lenses. Retail Price 2/-

Sun Glasses NOW

and make sure they're

BARTLETT'S

the best sellers

Chemists up and down the country know from experience that there's nothing to touch Bartlett's sun glasses for quick sales and good profits. Styles and colours to suit every requirement at retail prices from 8d. to 2 guineas.

But don't delay. You know what's happening to supplies everywhere just now, and delayed action may mean loss of profits this year. Order now and make sure. Send today for illustrated folder of Bartlett's Sun Glasses, the most complete assortment ever offered to the Trade. Write to:

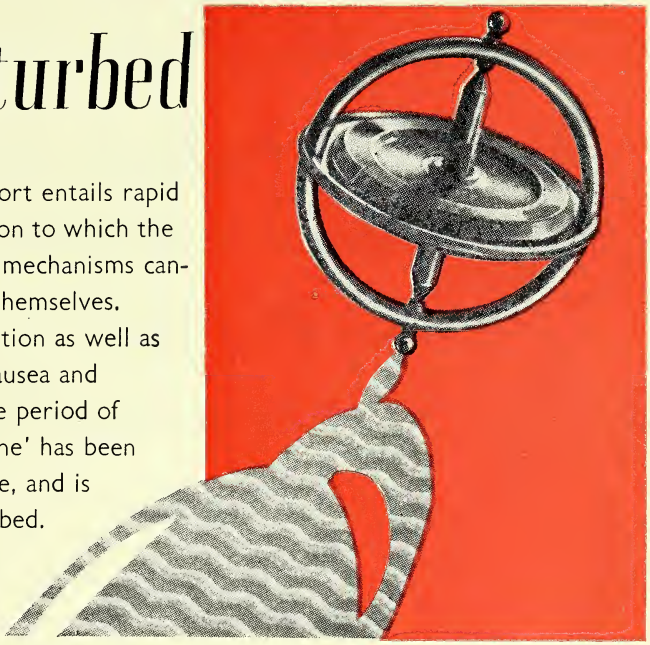
ALFRED FRANKS & BARTLETT CO. LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.1.

ORDERS SHOULD BE PLACED THROUGH YOUR WHOLESALE HOUSE

WHOLESALE ENQUIRIES TO THE ABOVE ADDRESS

When equilibrium is disturbed



Modern transport entails rapid alterations of position to which the traveller's righting mechanisms cannot quickly adjust themselves.

For the prevention as well as the treatment of nausea and vomiting during the period of adjustment 'Avomine' has been found most effective, and is increasingly prescribed.

'AVOMINE'

trade mark *brand*

Promethazine-8-Chlorotheophyllinate

Containers of 10 x 25 mgm. tablets

Retail price 3s. 6d. *Exempt from Purchase Tax*

To be sold on prescription only

manufactured by

MAY & BAKER LTD

MA48632

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

C

FOR HOME & EXPORT

Tartaric Acid B.P.

Citric Acid B.P.

Peptone

Hormones

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HARDY

★ We can supply these and many other items advantageously.

M·W·HARDY AND COMPANY (OVERSEAS) LTD

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TELEPHONE: LONDON WALL 7131

More than half your customers have false teeth!

RECENT STATISTICS show that, of the adult people of Great Britain:

48% *have all natural teeth*
32% *have part false teeth*
20% *have* all *false teeth*

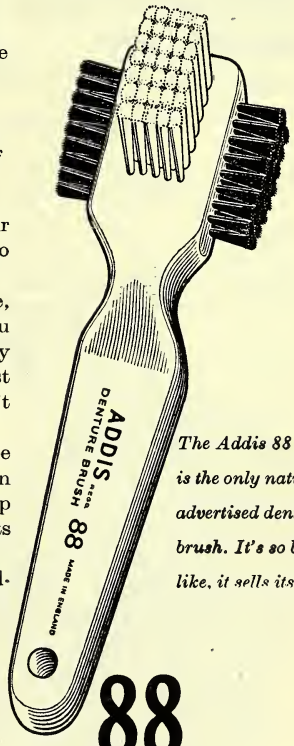
52% *of people have some form of denture*

That means about half the people who come into your shop have false teeth! That's a big market for you to cash in on — do it by displaying the Addis 88!

Denture wearers will recognize its efficiency at once, for it not only *is* efficient, it *looks* efficient. But if you like, you can point out to them that an ordinary toothbrush is not the proper thing to use. It just won't do for cleaning dentures — the bristles aren't strong enough. It needs the Addis 88.

The tough black side-tufts of the Addis 88 probe between the teeth, the softer white centre tufts clean the plate, and the wide, strong handle helps you grip and scrub. And it's economical, too. An Addis 88 lasts three times as long as an ordinary toothbrush.

Every dozen you get is packed in an attractive sell-out carton. Order from your wholesaler now.



The Addis 88 is the only nationally advertised denture brush. It's so business-like, it sells itself

Addis REGD. 88

MADE BY ADDIS LTD., OF HERTFORD, MAKERS OF THE FAMOUS WISDOM TOOTHBRUSH

—a name to profit by

EVAN WILLIAMS

For all that is best in hair beautifying preparations

SHAMPOOS
TONING PACKS
BRILLANTINES
WAVE SET

} = {

Handsome Profit
Steady Demand
Well advertised
Firm Reputation

Show them and you'll sell them!

EVAN WILLIAMS COMPANY LTD., *Sales Dept.*, AINTREE ROAD, PERIVALE, MIDDX.

Blue Orchid

A typical Blue Orchid Christmas pack containing the new perfumed Cologne and Toilet Soap, retail price 7/11d.

NEW PRODUCTS AND NEW PACKS! Backed by even more advertising during the Autumn, Blue Orchid "Perfume Harmony" products make their bow in a new dress! Make sure you are stocked to meet the demand—and make sure of seeing the new packs when our representative calls!

Delavelle

35 OLD BOND STREET, LONDON, W.1
Orders to: 38-46 Orsman Road, London, N.1.

THE BEGINNING OF A NEW TRADITION IN MASCULINE GROOMING

GOYA *launches* *Corvette*

A complete range of toilet preparations for men

Goya, internationally famous as the creator of fine perfumes, introduces ***Corvette*** . . . a new range of Toilet Preparations for men.

In every way, from the careful choice of every constituent to the imaginative and masculine packaging, the ***Corvette*** range is one of distinction, yet the products are not exclusively priced. The unequalled Goya quality allied to remarkable visual appeal, will capture the imagination of men and will make them want ***Corvette.***

To stimulate and create demand . . . to get the public talking and buying ***Corvette*** will be heavily advertised. It will also enjoy a direct tie-up with the film "Captain Horatio Hornblower, R.N." On release of the film, 400 A.B.C. Cinemas will run a ***Corvette*** Competition in which a trailer film, quad crown posters and display units will advertise ***Corvette.***

Corvette demand will be created. Be ready to meet it... *Order* ***Corvette*** *now.*

SHAVING STICK	2/9
SHAVING BOWL	4 6
LATHER SHAVING CREAM	2/9
BRUSHLESS SHAVING CREAM	2/9
HAIR CREAM	3/6
BRILLIANTINE	3 6
TALCUM POWDER	3 9
AFTER SHAVE LOTION	3/6

It's "full sales" ahead for Corvette

GOYA (MEN'S DIVISION) 161 NEW BOND STREET LONDON W.1

Lanalol No. 1 Hair Food is best for normal hair.

Lanalol No. 2 Hair Food is prepared for greasy hair.

Lanalol Solidified Hair Food is handy for travelling.

Link up with the Lanalol *campaign*

Regular national advertising is telling your customers how Lanalol preparations are made from the *natural* food which promotes hair growth. Interest stimulated in this way means easy sales for you if you remember to display Lanalol preparations prominently. Even before the war, Lanalol was a household word for hair food — today its reputation stands higher than ever. So link up with Lanalol for better business.

Lanalol Pure Liquid Soap Shampoo, an outstanding seller pre-war, now reintroduced by us.

Full particulars on request.
Supplies from your usual wholesaler.

Sole Distributors:
FASSETT & JOHNSON LTD., 86 Clerkenwell Road, London, E.C.1. Tel: CLE 2336

"RELIANCE"
FINEST DEEP SEA
SPONGES

Cresswell Brothers' new brochure brightest and best illustrated price list of natural deep sea sponges.

Send for illustrated leaflet showing our full range of sponges attractively packed in artistic gift boxes.

★ *Representative will be pleased to call on request.*

RELIANCE FINEST QUALITY SPONGE

CRESSWELL BROS. SPONGES
(WORLD NATURAL SPONGE SUPPLIERS LTD)
INTERNATIONAL BUILDING
BUCK STREET, CAMDEN TOWN, LONDON, N.W.1
Phone GULliver 5462-3 Grams: SPONGE NORWEST London

AN EXCELLENT REMINDER

ready sales from this display pack

The Drummer Dyes clearly displayed in this pack present an excellent point-of-sale reminder, and make an easy choice for your customers.

DRUMMER DYES

The World's finest Home Dyes
WM. EDGE & SONS LTD., BOLTON

THE Spa

SPEARHEAD

"tufted to touch every tooth"

AND THE SPEARHEAD OF BIG SALES TOO!

It was left to SPA to design a toothbrush that would clean the INSIDE crevices as well as the outside. National advertising is creating big sales for this newest and most practical of all toothbrush designs. Take advantage of the display material available and tie up with the advertising.

SPA BRUSHES LTD.,
CHESHAM, BUCKS.

Dual Personality

means double the Sales Appeal

A Hair Tonic that can safely be recommended to *both* Men and Women. It has never varied in quality. The test of over 70 years has proved its worth to the stockists and customers alike.

A cleansing tonic for dandruff and scurf, it stimulates the roots thus preventing loss and thinning of hair.

Small size (6/- retail) : 28/8 doz. plus 100% P. Tax
Large size (10/- retail) : 48/- doz. plus 100% P. Tax

Pétrole Hahn

FOR THE HAIR

R. HOVENDEN & SONS, LTD., LONDON: 29-33 Berners St., W.1.
CARDIFF : 9-10 New St. **BELFAST :** 10 Royal Ave. **LIVERPOOL :** H. E. Jarvis & Co. Ltd., 5-7 Fleet St
MANCHESTER : Watts Bros. (M/C) Ltd., 72 Cannon St. **BLACKPOOL :** Watts Bros. (M/C) Ltd., 88 Coronation St

GALENICALS, TABLETS, PACKED GOODS

and all supplies for Health Service and Counter Trade

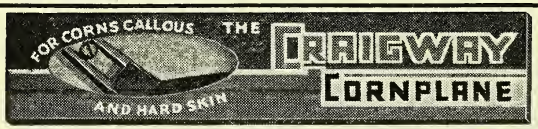
Our own vans cover the Midlands

Phone : **LEICESTER 5671**

E. H. BUTLER & SON LTD

THORNTON LANE AND
HUMBERSTONE GATE, LEICESTER

Telegrams : **AMPHORA LEICESTER**



The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL !

Individually packed in cartons

DISPLAY CARD OF 18

RETAIL **2/3** *PRICE*

15/4 per doz. plus Purchase Tax
Usual discount to Wholesalers

Sole Distributors:
CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey
Phone : Wallington 3694

CARNEGIES OF WELWYN

manufacturers

of

FINE CHEMICALS

CARNEGIE CHEMICALS (WELWYN) LTD

CARNEGIE QUININE WORKS LTD

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"CARNEBROS BRAND"

CARNEGIE BROTHERS (1949) LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS · CARNECHEM, WELWYN GARDEN TELEPHONE · WELWYN GARDEN 506 (4 lines)

NEW HAIR COLOUR RINSE achieves RECORD SALES!

Every stockist is reporting record sales of this remarkable new hair colour rinse from Paris. Widely advertised, it has only to be shown to be sold.

Get a stock from your wholesaler now.

COLORAL

Made in six shades:—Deep Brunette, Velvet Brown, Hazel Brown, Burnished Gold, Auburn, Steel Blue. Retailing at 1/3d. per card of two rinses.

TRADE PRICE

6/- per dozen (plus 100% tax) in boxes of two dozen of any one shade, or in a fixed assortment of two dozen.

Packed and distributed in Great Britain by

GOLDEN LTD., 2/4 DEAN STREET, LONDON, W.1. (Tel: GER 4926)

GN 144A

BEAR Brand HONEY

It's the care and long experience that go into the blending of Bear Brand Honey that give it the distinctive, unique flavour by which it is so well-known — and liked!

Supplied in 7lb. and 56lb. tins and in barrels.

L. GARVIN & CO. LTD.

Isleworth, Middx.

Tel.: Hounslow 3483

Price Announcement

AMBROSIA INFANT MILK FOOD

New Prices to Retail Trade from 1st August, 1951

PACKETS — 3/1d. net

TINS — 3/8d. net

AMBROSIA LTD.

9-10 Pancras Lane, Queen Street, E.C.4

Works: Lifton and Lapford, Devon

Distributors to the Retail Trade: BOVRIL LTD.

Glucose in its most acceptable form!

The virtues of Glucosol as an energising food for infants, invalids and athletes make it a pharmaceutical "must."

The value of Glucose as a predigested sugar is fully maintained in Glucosol which provides this monosaccharide in the form of a refreshing and palatable drink.

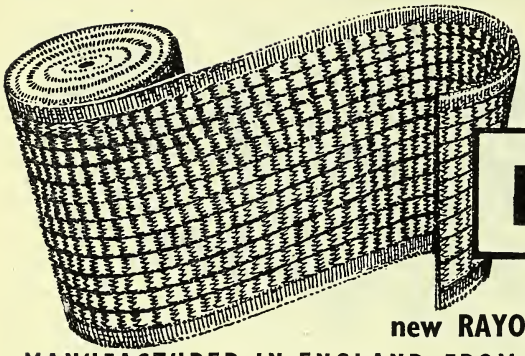
Glucosol

ENERGISING · PALATABLE
SUSTAINING

P.A.T.A. P.A.T.A.

WG101

JAMES WOOLLEY SONS & Co LTD.,
VICTORIA BRIDGE, MANCHESTER .3.



RAYOLAST

The new RAYON-ELASTIC support bandage

MANUFACTURED IN ENGLAND FROM ALL-BRITISH MATERIALS

"RAYOLAST" bandages offer the following advantages over the wool-cotton crepe bandages:

- Light weight.
- Low incidence of skin irritation.
- Instantaneous absorption.
- Prolonged elasticity even after frequent washing.
- Durability approximately four times greater.

AVAILABLE IN
2 inch 2½ inch 3 inch 4 inch & 6 inch widths.
RETAIL PRICE
2/5 2/10½ 3/4½ 4/7 6/6
TRADE PRICE PER DOZEN
20/7 25/- 29/10 39/- 57/10
* N.H. Tariff Items

* **RAYOLAST** Rayon - elastic Bandages are approved by the Ministry of Health for supply on N.H.S. Form E.C.10.

HS

HARKER STAGG LIMITED

EMMOTT STREET, LONDON, E.1

(65

KAY

LINES THAT BRING SUMMER PROFITS

Flycatchers:

Honeypot, Viper, Tom Thumb, Gorgon
APEX Insect Guns
ERA Moth Killers
ERA DDT Flyspray
DAK (Birdlime) for Mice and Rats—tubes 1/-; tins 1/9, 3/-

Write for samples and prices:

KAY BROTHERS LTD.
Kayborough, Reddish, STOCKPORT

Victory·V

GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON LANCS

PROFITABLE EVERYDAY LINES—

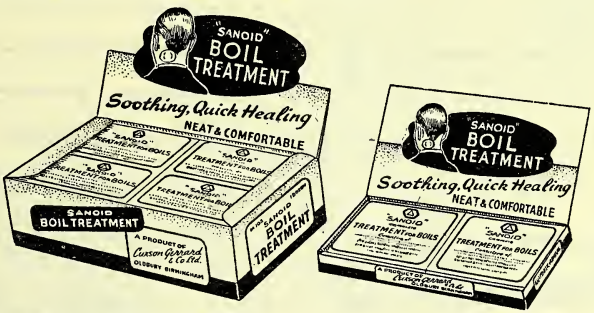
Number Three

Maybe you have not realised that "SANOID" Boil Treatment is a line for which there is practically an untapped and very big market. We suggest that you display them regularly and watch their sales steadily increase.
Compelling display material, designed to occupy minimum counter space with maximum appeal, will be sent with all orders.
Do not forget, too, that if you make up a £5 or £10 order of "Sanoid" Boil Treatment with "Carnation" Corn Caps, "Sanoid" Zinc Oxide Plasters, "Adaptoplast" Dressings, "Variban" or other plasters you get EXTRA DISCOUNT.

"SANOID" BOIL TREATMENT

Each treatment consists of 3 drawing and 1 healing plaster, complete in a neat carton.

★EFFECTIVE SALES AIDS AVAILABLE WITH ORDERS



★GOOD PROFIT

RETAIL PRICE 1/6 TIN (including tax).
TRADE PRICE 9/9 PER DOZEN (plus tax).

★EXTRA DISCOUNTS

£5 ORDER LESS 2½%; £10 ORDER LESS 5%.
These extra discounts apply to purchases of all our Plasters, whether bulk or proprietary.

A PRODUCT OF
Cuxson Gerrard & Co. Ltd.
OLDBURY BIRMINGHAM

Delicious fruit drinks for Diabetics

ROSE'S DIABETIC LIME JUICE
3/3 *a bottle*
ROSE'S DIABETIC LEMON
OR ORANGE SQUASH
3/- *a bottle*
All specially prepared without added sugar

NATIONAL FORMULARY 1949

PASTILLES *and* LOZENGES *are always in ample supply from*

ROBERT GIBSON & SONS LIMITED
MANCHESTER & LONDON

Manufacturers of
"MECCA" COUGH PASTILLES
and
GIBSON'S CHOCOLATE WORM CAKES

You and your customers profit by

Box's Pills *for* **INDIGESTION**
W.H. BOX, 161 KING STREET, PLYMOUTH

MANESTY

Precision-built Machinery

Leading tablet makers throughout the world have long recognised that the name MANESTY on tableting machinery is an insurance of all that can be desired in accuracy of construction and reliability of performance. Behind the name MANESTY there now lies the skill and experience of its associated company — John Holroyd & Co. Ltd., who for over 70 years have specialised in the production of machine tools and precision gearing—and who made rotary tablet machines more than 50 years ago.

1. Coating Pan LCP1
2. 'H' Stainless Steel Mixer
3. RS2 Rotary Tablet Machine
4. "Rotorgran" Oscillating Granulator

MANESTY

MEANS PRECISION-BUILT

For details of Manesty Machines and Technical and Experimental Service write to:

MANESTY MACHINES LTD

DEPT. 5 · SPEKE · LIVERPOOL 19

Telephone: Hunts Cross 1972 *Telegrams: Manesty Liverpool*

TABLET MACHINES · COATING PANS · GRANULATORS · MIXERS · AUTOMATIC WATER STILLS

G.N.T.116

NIVEA

— best in the sun!

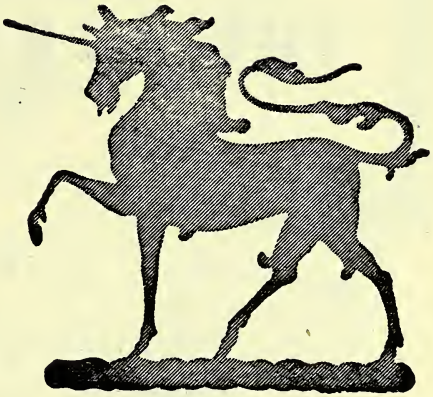
What is it about NIVEA that makes it such an EASY line to stock? Popular in all markets? Yes. Priced to suit all pockets? Right. *A best-seller all through the year?* Absolutely! There's no "end of season" for NIVEA. You order in any quantity that suits your stock-room. No need for elaborate estimates of seasonal needs. 'Skin needs Nivea' all the year round.

. . . and it's **NIVEA**

all the year round

HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS

The **brand** *makes the distinction*



Pharmacists have learnt to tame the vegetable purgatives, known in other centuries for their vigour. They have combined very small doses of several, so that adequate laxative action is obtained without causing irritation. A gentle natural action and sustained intestinal tone are finally ensured by adding a mild antispasmodic and a carminative.

Such is the art which goes to make 'Tabloid' brand Laxative Vegetable.

Such is its reputation that many customers insist on 'Tabloid' brand.

Each sugar-coated product contains :—

Compound Extract of Colocynth, B.P. 1914	gr. 1
Extract of Jalap	gr. 1/2
Podophyllum Resin	gr. 1/4
Green Extract of Hyoscyamus, B.P. 1898	gr. 1/4
Menthol	gr. 1/20

Retail Prices :

Bottle of 25 ..... 1s. 4d. plus 4d. tax

Bottle of 100 ..... 3s. 9d. plus 1 1½d. tax

'Tabloid' BRAND Laxative Vegetable

(REVISED FORMULA)

BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*), **LONDON**

THE MENOPAUSE . . .

Rapid control of the symptoms

Lynoral derived from the natural œstrogen controls menopausal symptoms without side effects. It also has the advantage of simple oral administration. The mental depression commonly associated with the menopause is speedily relieved and the feeling of well-being induced is most striking.

LYNORAL

ETHINYL ŒSTRADIOL TABLETS

Tablets of 0.01 mg., 0.05 mg. and 1 mg. (scored) Tubes of 25. Bottles of 100.

Price List on request

ORGANON LABORATORIES LTD

BRETTENHAM HOUSE, LONDON, W.C.2

Telephone : TEMple Bar 6785/6/7 and 0251/2. Telegrams : Menformon, Rand, London

The recommended treatment for—

Vomiting of pregnancy

'APOLOMINE', a tablet containing three members of the Vitamin B complex, atropine, hyoscine and benzocaine, has proved most valuable in dealing with this wayward symptom of early pregnancy.

Also available with Luminal, as "Apolomine Plus", for use in the more severe type of hyperemesis.

Medical literature sent on request.

APOLOMINE

Trade mark Bayer Brand of Anti-Nausea Tablets

BAYER

BAYER PRODUCTS LTD., AFRICA HOUSE, KINGSWAY, LONDON, W.C.2

Jarvie for Quinine

ESTABLISHED 1892

H. JARVIE & CO; LTD

Scotia Chemical Works

COATBRIDGE · SCOTLAND

EXPORT ENQUIRIES TO H. JARVIE & CO. LTD. WIGMORE HOUSE 10 DUKE STREET · LONDON, W

The Cleanser for every need

LINAPOL

This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.

HYDROGEN PEROXIDE

10 and 20 volumes in bottles. A wide range of packs and labels available.

Genoxide LIMITED LUTON

CRUDE DRUGS

ESSENTIAL

GUMS OILS WAXES

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS

DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1

Make BIGGER Profits With This BIG Seller!

"DiDiT" *Floral* FLYCARDS

Attractively designed and printed in colour, the new "DiDiT" Floral Flycard is a real seller. Hung in living rooms, kitchen or larder, it is as efficient as it is attractive. It DOES KILL FLIES. Millions of Flycards sold last year. Make sure of your share of this good business by ordering now.

Packed in 7½" x 5½" transparent viscose packets. Retailing at 1/- per packet of 4 cards.
COST PRICE 8/- per doz. Pkts.
3 DOZEN AND OVER SUBJECT TO EXTRA DISCOUNT.

RODMILL CHEMICAL CO. LTD.
ISLINGTON ROW, LIVERPOOL. NORth 1393

SURGICAL AND MANICURE SPECIALITIES LTD.
SHEFFIELD 3, ENGLAND

Manufacturers of all kinds of
SCISSORS, TWEEZERS, FORCEPS, NAIL & MANICURE FILES

Wholesale and Export only

NAIL CLIPPERS
Carbon Steel—Chromium Plated. Lever action, accurately aligned. Hand ground cutting edges.

TANNIC ACID (Bulk Supplies Only)

AND DERIVATIVES

THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE, GLASGOW, C.1

Boxed for your counter

THE TOILET ROLL THAT SELLS ON SIGHT

The Everest is the attractively cartoned toilet roll you can place on your counter—where housewives can pick it up, and buy, without embarrassment. They welcome it for the protection it gives the family—a scientifically hygienic toilet tissue, strong yet gentle, carrying the Certificate of the Royal Institute of Public Health and Hygiene. Advertised regularly in women's magazines and in buses throughout the country.

Why not carry **EVEREST**

THE Boxed TOILET ROLL

Your customers will be pleased to!

This is a product of KITTYBREWSTER (PAPER) LIMITED
Kittybrewster Works, Aberdeen
Also makers of Silver Silk, Med-O-San, Captis and Tartan Brand Toilet Rolls

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STANDARD SYNTHETICS
L I M I T E D

Actual distillers of **Essential Oils**

Manufacturers of **Aromatics, Perfume Bases and Flavours.**

We specialise in **Cinnamon Bark Oil, Juniper Berry Oil, Wintergreen Oil, Eucalyptol, French Lavender Oil, Terpeneless Lemon Oil, Rose Perfumes, etc.**

76 Glentham Rd., Barnes
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Telephone :-Riverside 3616

Nationally known through intensive public advertising in women's journals.

Luxan AND Luxol

SANITARY TOWELS

Sales Aids available

LUXAN LTD · 4 CHEPSTOW ST MANCHESTER 1

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HEWLETT'S TEETHING JELLY

"TAKES THE TEARS FROM TEETHING TIME"

HEWLETT'S Honey-Sweet **TEETHING JELLY** is being advertised extensively in National Periodicals and on the transport systems of London and Glasgow. This product was introduced only after careful and extensive research in the laboratories of the House of Hewlett, in the confidence that it is by far the most handy, palatable and effective method of soothing infants' gums during Teething Time, yet devised.

Cost **12/-** per dozen plus 4/- Purchase Tax. Retail **1/10** per tube.

BONUS TERMS ON ORDERS OF 3 DOZEN

C. J. HEWLETT & SON LTD.

MANUFACTURING CHEMISTS

35-43 CHARLOTTE ROAD, LONDON, E.C.2

And at 216 ORR STREET, GLASGOW, S.E.

SCOTLAND'S SUNDRIES HOUSE

features **A FIRST CLASS SUNDRIES SERVICE**

CATERING FOR CHEMISTS ONLY

BABY REQUISITES COMBS HAIR BRUSHES NAIL BRUSHES
SHAVING BRUSHES TOOTH BRUSHES HOLDALLS
COSMETIC BAGS ELECTRIC BLANKETS PERIHEL LAMPS
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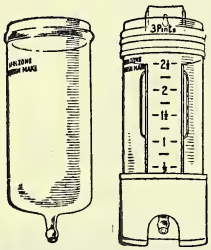
Cables: Serlsurg-Smith, London

SERLANCO HOUSE, 245 ST. JOHN STREET, CLERKENWELL, LONDON, E.C.1

Snake-Bite Lancet

Sardins Eye Loop



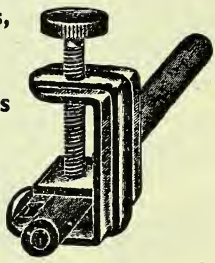
Serizone Crystal Reservoir Douche, in White Japanned Metal Frame, 2, 3 and 4-Pint

British Surgical and Dental Glassware

Solution Jars, Bowls, Boxes, Dressing Jars, Etc.

Stainless Steel Instruments

Automatic Blood Lancet, "Push-Button" Release
No. S.P. 100. Acorn Tip
No. S.P. 101. Cup Shape Tip



"SERLZONE" regulating Tubing Clip

KATWIJK

N.V. SOCIETEIT VOOR CHEMISCHE INDUSTRIE

"KATWIJK"

KATWIJK-AAN-ZEE HOLLAND

Producers of:

CAFFEINE AND SALTS

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(Syn. LEPTAZOL B.P.)

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JKL

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and all other crude Drugs, Essential Oils and Spices.

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Telegrams: "Ergotine, Stock, London"
Branches in New York and Hamburg

'CANDA'

'PENS'

"PEN" BRAND

UNBREAKABLE

Now issued as attractive Plastic Tubes (NOT GLASS) with Plastic Screw Caps

IODINE
MOSQUITO
} RETAIL 1/9 including Tax

ACRIFLAVINE
CLEARSIGHT
} RETAIL 1/6 (No Tax)

TRADE PRICES
12/- per doz.
11/6 per doz. for 3 doz. (assorted if desired).
Plus 33⅓% Tax on Iodine and Mosquito.

The 'PEN' DISPLAY BOX contains 1 doz.

CA169

CANDA
Reg. Trade Mark.

CLAY & ABRAHAM LTD., LIVERPOOL, 1
Manufacturing Chemists *Est. 1813*

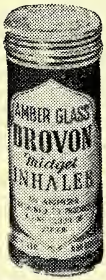
In amber glass with curved neck

TRADE PRICE 7/8½ each

Our Range of Inhalers includes three hand-operated non-metallic atomisers of high efficiency and robust construction, the trade price of which is less than 8/- each, consequently these models serve excellently for supply on unspecified orders on Form E.C.10.

Issued in attractive screw-cap aluminium containers which combine safe storage with convenience in carrying in the handbag or pocket.

Bonus terms available; send for list



These 'Midgets' are issued with nose and throat tube.

TRADE PRICES

	each
In amber glass	7/-
In clear glass	6/3½

MOORE MEDICINAL PRODUCTS LTD
ABERDEEN LONDON OFFICE: 64 GLOUCESTER PLACE, W.1. LONDON
WELBECK 5718/9

be ready for the steady demand!

SECTO
EXTRA POWER.
D.D.T.

Sells on sight—Repeats on Merit

Widespread advertising will again bring this quick selling insecticide regularly to the notice of millions of buyers.

Splendid eye-catching, sales-promoting displays are available. Send your order now for SECTO EXTRA POWER D.D.T.

CUPAL LTD., *Manufacturing Chemists,* **BLACKBURN**

SMALL CHANGE!

The famous 'HOBSON'S CHOICE' CORN PLAISTERS, originated in 1835, have removed to their new factory (address below).

SUMMER 1951

will be a bumper season for these products which cater for the 'low-priced' market so much in evidence to-day.

SEE THAT YOU HAVE STOCKS

of the popular 2½d., 4½d., and 6½d. packets with steady sales and high margins. Tie up with the boost that the Wilfred Pickles Blackpool Show 'HOBSON'S CHOICE' will give our product.

TERMS, SHOW MATERIAL and SUPPLIES OF

Hobsons Choice
CORN PLAISTERS POWDERS

From the manufacturers

HOBSON TRIMBLE & CO.

NEW ADDRESS

Union House, Belvoir St., Hunslet, Leeds, 10

'SURCO'

RELIABLE

ELASTIC HOSIERY

(SEAMED and SEAMLESS)

SURGICAL BELTS
TRUSSES & SUNDRIES

are backed by sound experience of over

50 YEARS

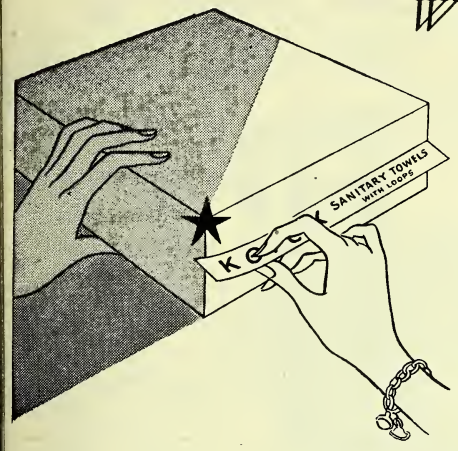
... if it's SURGICAL SUNDRIES... it's a safe rule to send your enquiries first to :—

SURGICAL HOSIERY C.O LTD

Russell St. NOTTINGHAM

Phone: 75903 Grams: SURGICAL NOTTINGHAM

Women prefer



KOTEX

SANITARY TOWELS

(WITH LOOPS)

Because demand exceeds supply, please do not blame your wholesaler should he be unable to meet your requirements.

★ *Simply remove the perforated strip and the plain box is ready for sale.*

CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON, N.18

MOSELEY MOULDED HOT WATER BOTTLES

A warm line for cold nights

MOSELEY moulded hot water bottles are supplied in red, green or blue, whilst the moulded cot hot water bottles can be had in a variety of attractive pastel shades. Handmade, fabric reinforced hot water bottles are supplied in red or white.

MOSELEY

EST 1833

Further details and terms from:—

DAVID MOSELEY & SONS LTD. *ARDWICK, MANCHESTER 12*
53/55 NEW BOND ST., LONDON W.1
54 GEORGE ROAD (ISLINGTON ROW) EDGBASTON, BIRMINGHAM 15

AN ALL COTTON WOOL PRODUCT OF REPUTE

Consoluxe (Registered) Patent No. 410702

SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK
WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
DYSART STREET. GREAT MOOR. STOCKPORT
Phone: STEPPING HILL 3006/7 Grams: "UNDISPUTED" STOCKPORT

Come shortage-
come plenty

there will always be a big demand for

SOFTEX
the finest toilet tissue

Always the same strength and soft texture, Softex now comes in a NEW PACK. Recent tests made by Swan Mill have shown that it's the *design your customers prefer.* Display Softex in its new pack all the time and keep your customers Softex-minded. Thus, during a time of shortage, you can prepare for a time of plenty.

CURRENT SOFTEX PRICES
SOFTEX.....1/5
SOFTEX INTERLEAVED.....1/1

SWAN MILL PAPER CO. LTD
92 REGENT ST. LONDON, W.I. *Tel REGent 042.*

New Edition of TEXTBOOK OF PHARMACOGNOSY by T. C. DENSTON, B.Pharm., Ph.C. F.R.I.C., now available. This textbook provides a complete course in Pharmacognosy for the C. & D. qualifying examination, covering every aspect of the syllabus. An invaluable book for every student. 27/6 postage 9d. from The CHEMIST & DRUGGIST, 28 Essex Street, London, W.C.2

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(We can now accept fresh orders)
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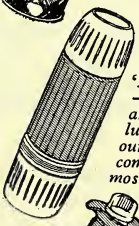

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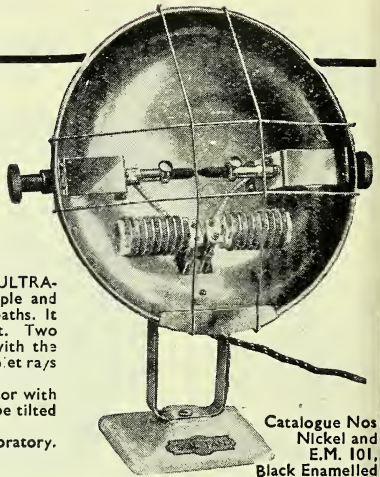

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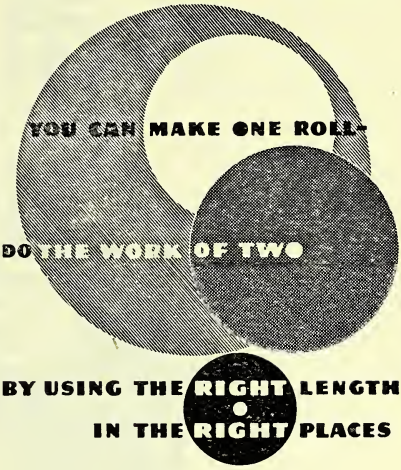

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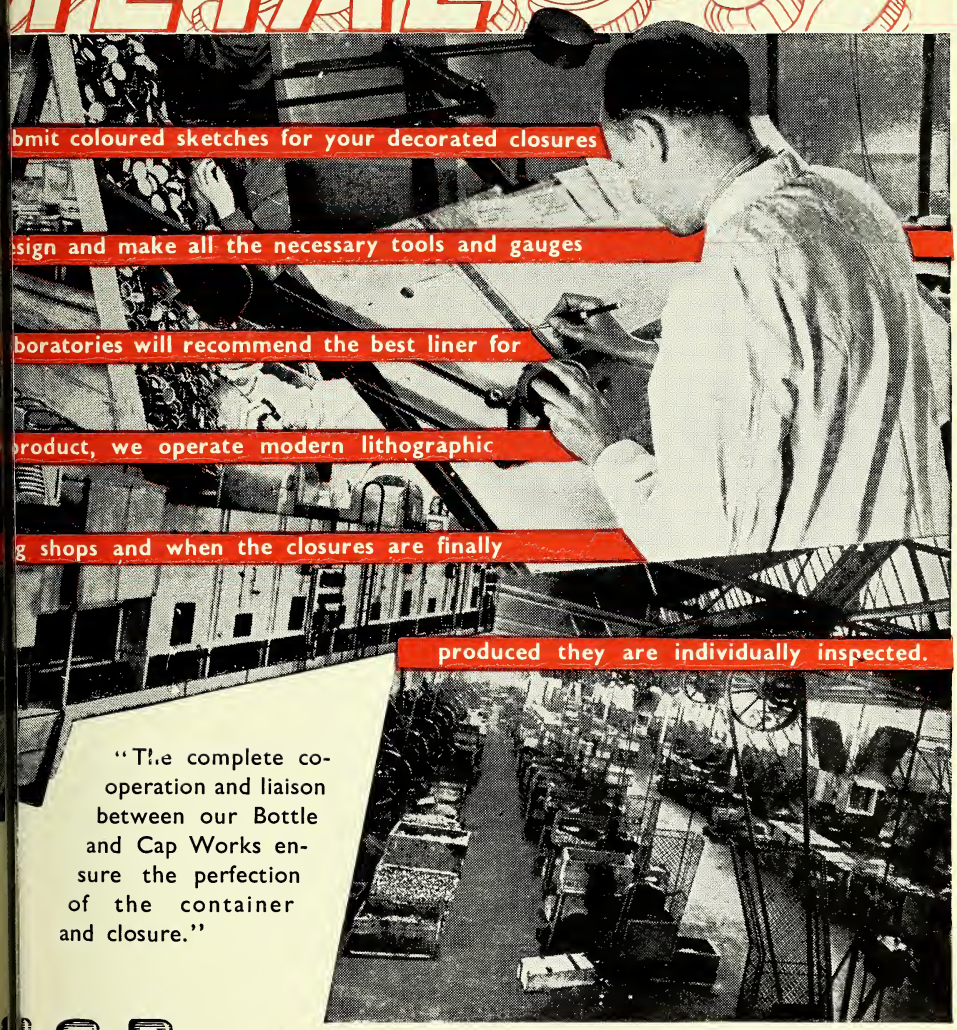

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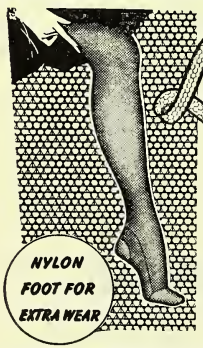

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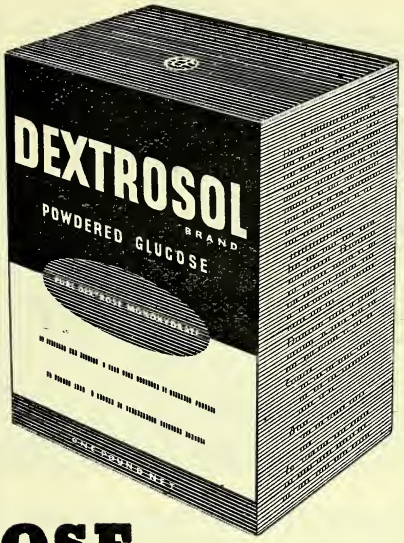

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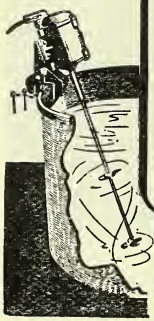

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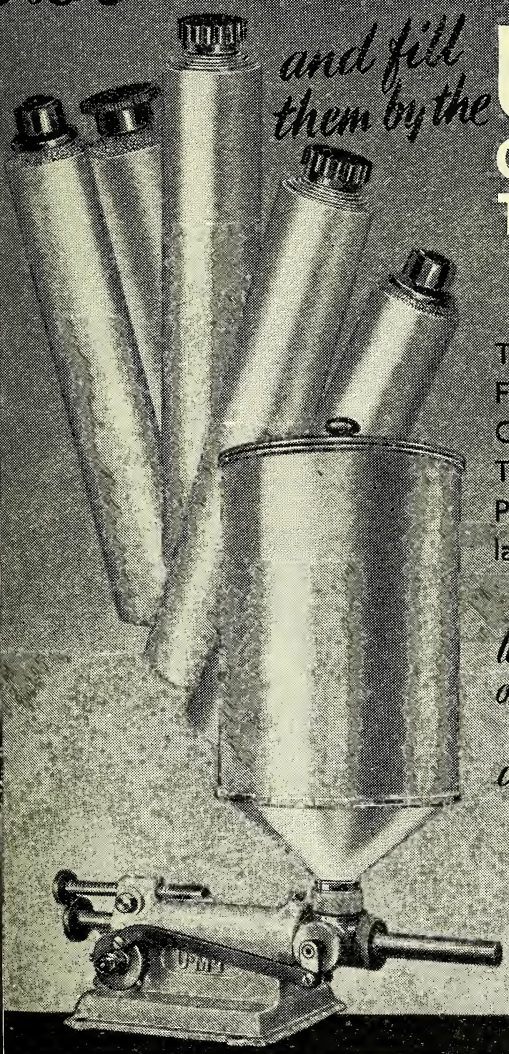

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